DOCUMENT RESUME

ED 043 762 VT 011 800

AUTHOR	Jackson, Dorothy G., Ed.
TITLE	Research 1970. An Annotated List of Research and Demonstration Grants 1955-1968.
INSTITUTION	Social and Rehabilitation Service (DHEW), Washington, D.C. Office of Research, Demonstrations, and Training.
PUB DATE	70
NOTE	268p.
EDRS PRICE	EDRS Price MF-$1.25 HC-$13.50
DESCRIPTORS	*Annotated Bibliographies, *Demonstration Projects, Disadvantaged Groups, Indexes (Locaters), Mentally Handicapped, Physically Handicapped, Program Administration, *Research Projects, Self Help Programs, *Vocational Rehabilitation

ABSTRACT

This annotated bibliography of 1,997 projects dated from 1955-1969 and administered by branches of the Social and Rehabilitation Service is divided into four parts: (1) Research and Demonstration Projects which were authorized by the 1954 amendments of the Vocational Rehabilitation Act, listed under 22 subject headings, (2) Cooperative Research or Demonstration Projects, which were authorized in 1956 by Section 1110, Title XI, of the Social Security Act, as Amended, (3) Demonstration Projects in Public Assistance, which were authorized in 1963 by Section 1115 of the Social Security Act, (4) Research and Training Centers, which began in 1961 as part of the Vocational Rehabilitation Act. Except for a few cases, all project listings contain project number, title of final report if available or project title if not available, grantee's name and address, project director's name, and annotation with key words italicized. Numerical and subject indexes are also included. (SB)

ED043762

Research 1970

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

SRS → Social and Rehabilitation Service

Office of Research, Demonstrations, and Training

ED0 43762

RESEARCH 1970

An Annotated List of Research and Demonstration Grants

1955 - 1969

Cooperative Research or Demonstration Projects

Demonstration Projects

Rehabilitation Research and Demonstration Projects

Research and Training Centers

Prepared by the
Research Utilization Branch
Division of Research and Demonstration Grants

Dorothy G. Jackson, Editor

U.S. Department of Health, Education, and Welfare
Social and Rehabilitation Service
Office of Research, Demonstrations, and Training
Washington, D.C. 20201

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INTRODUCTION

The Social and Rehabilitation Service takes pleasure in presenting the 1970 edition of its annotated list of research and demonstration grants. The book comes to you under a new name and a new cover; and its format now includes a title for every project. Still, the greatest change is in the content; for not only are projects of the Rehabilitation Research Branch (Part 1) listed, as in former years, but also those of the Cooperative Research and Demonstration Grants Branch (Part 2), the Demonstration Projects Branch (Part 3), and the Division of Research and Training Centers (Part 4). A comprehensive Subject Index combines the projects of all four Parts. The Numerical Index, on the other hand, has a subdivision for each Part.

Part 1. The Research and Demonstration program is administered by the Rehabilitation Research Branch, Division of Research and Demonstrations, Office of Research, Demonstrations, and Training. It was authorized by Section 4(a)(1) of the 1954 Amendments to the Vocational Rehabilitation Act. Grants are awarded to public and private nonprofit agencies in partial support of research and demonstration projects which promise some unique contribution to the present knowledge of rehabilitation theory or practice. The purposes of the program are (a) to develop new or improved information, methods, and devices for use by the several disciplines in the rehabilitation of physically or mentally handicapped individuals; (b) to increase the effectiveness of existing programs and stimulate community cooperation and support; and (c) to provide new professional information and ideas to administrators to aid them in developing and expanding programs for the handicapped. Project applications are reviewed by the National Advisory Council on Vocational Rehabilitation, which advises the Administrator in making grant awards.

Research and Demonstration projects are divided into 22 sections, as shown in Part 1 of the Contents. In assigning a project to a section, priority is given to the appropriate or related disability grouping (Sections I - XI). The remainder of the projects are placed in one of the selected program areas (Sections XII - XXII).

For the most part, projects are listed only once and are in numerical order within each section. However, projects dealing with films and with research utilization are listed under their own headings as well as under one of the aforementioned sections.

Selected Demonstration projects are listed separately at the end of the appropriate sections. They are demonstrations conforming to prototypes derived from successful demonstrations previously supported by the Social and Rehabilitation Service. Having provided a means of putting into operation improved methods in many different parts of the Country, they have now been dropped from the Research and Demonstration program and have been transferred to State vocational rehabilitation programs.

Research and Demonstration project numbers vary slightly from those of the other three Parts. Subsequent to Project RD-750, they are followed by a letter designating the SRS Study Section that monitors the project--General (G), Medical (M), Prosthetic-Orthotic (MPO), Psycho-Social (P), Research Utilization (RU), or Sensory (S).

Part 2. Cooperative Research or Demonstration Projects were authorized in 1956 by Section 1110, Title XI, of the Social Security Act, as Amended. Grants are made by the Cooperative Research and Demonstration Grants Branch, Division of Research and Demonstrations, to States and to public and other nonprofit organizations to pay part of the cost of research and demonstration projects. The purpose of this program is to add to existing knowledge and to devise and evaluate new approaches to (a) the prevention and reduction of economic dependency; (b) more effective organization, coordination, and administration of social welfare and social security programs; and (c) other problems related to the provision of medical and social service programs authorized by the Social Security Act.

Part 3. A program of Demonstration Projects in Public Assistance was authorized in 1963 by Section 1115 of the Social Security Act. Grants are made by the Demonstration Projects Branch, Division of Research and Demonstrations, to State public assistance agencies to cover the cost of pilot, experimental, or demonstration projects. The purposes of this demonstration program are to develop and improve the methods and techniques of administering assistance and services designed to help needy persons achieve self-support or self-care, or to maintain and strengthen family life.

Part 4. The Research and Training Centers program, administered by the Division of Research and Training Centers, Office of Research, Demonstrations, and Training, began in 1961 as part of the Vocational Rehabilitation Act, Section 4(a)(1). Grants are made for payment of partial costs to establish centers to conduct identifiable rehabilitation research, training, and services in universities, State vocational rehabilitation agencies, or public or private nonprofit facilities associated with universities. The program presently consists of 19 Centers, 12 of which focus on rehabilitation medicine, three on vocational rehabilitation, three on mental retardation, and one on rehabilitation of the deaf.

With the exception of the Selected Demonstrations in Part 1, and the Regional Research Institutes in Social Welfare in Part 2, which have no annotations, and the Research and Training Centers, whose addresses are listed altogether at the beginning of Part 4 rather than with each entry, all project listings contain the following information.

Project number. The letters preceding the number designate the type of project (RD for Research and Demonstration projects, R for Cooperative Research or Demonstration projects, D for Demonstration projects, and RT for Research and Training Center projects). The number is followed, in parentheses, by the fiscal year in which the project was activated, and the anticipated duration.

Title. Final Report titles are used when available; otherwise, project titles.

Grantee's name and address. Upon completion of each project, a final report is prepared by the grantee, giving the results of the investigation or demonstration. Copies of these reports, as well as of other publications produced under the project, can be obtained by writing directly to the grantee. Do not write to the Social and Rehabilitation Service for copies, as it does not stock them. For hard-to-find reports, consult the Departmental Library, Department of Health, Education, and Welfare, Washington, D. C. 20201, or the San Francisco State College Library, San Francisco, California 94132. In the case of contracts, no copies of reports are available from either the contractor or the libraries, as a general rule.

Project director's name.

Annotation. Key words are italicized. References to earlier agency titles (OVR and VRA) have been retained in annotations of projects that were completed under those agency titles.

Detailed information about the programs of Part 1, Part 2, and Part 3 can be obtained by writing to the Chief, Division of Research and Demonstrations, Office of Research, Demonstrations, and Training, Social and Rehabilitation Service, Department of Health, Education, and Welfare, Washington, D. C. 20201. For information about Part 4's program, write to the Chief, Division of Research and Training Centers, at the same address.

PART I

REHABILITATION RESEARCH AND DEMONSTRATION PROJECTS

Research and Demonstration Projects Approved
Under Sections 4 and 7
The Vocational Rehabilitation Amendments of 1954

March 1955 - December 1969

I. CARDIOVASCULAR DISORDERS

RD-58 (56-5).* DETERMINATION OF BASIC DATA CONCERNING WORK ABILITY AND REHABILITATION OF ONE THOUSAND PERSONS WITH HEART DISEASE. Univ. of Pittsburgh, Graduate Sch. of Public Health, Pittsburgh, PA 15213; W. Leigh Cook, M.D.

To evaluate the effect of employment on 1,000 cardiac patients whose *work tolerance* has been prescribed by a cardiac *work classification unit*.

RD-281 (58-1).* FACTORS RELATING TO UNSUCCESSFUL VOCATIONAL ADJUSTMENT OF CARDIAC PATIENTS. The Heart Assn. of Southeastern Pennsylvania, 318 North 19th St., Philadelphia, PA 19103; David Gelfand, M.D.

To identify the possible medical, social, vocational, and psychiatric *factors* related to *unsuccessfully* vocationally *adjusted* cardiac patients.

RD-318 (59-5).* COORDINATED PHYSIOLOGICAL AND BIOPHYSICAL STUDIES FOR THE EVALUATION OF REHABILITATION PROCEDURES EMPLOYED IN THE CARE OF INDIVIDUALS WITH SEVERE NEUROMUSCULAR RESPIRATORY AND CIRCULATORY DISABILITIES. Baylor Univ. College of Medicine, 1200 M. D. Anderson Blvd., Houston, TX 77025; W. A. Spencer, M.D.

To develop a *coordinated evaluation program of the physiological* and *biophysical procedure* used in the rehabilitation of individuals with severe neuromuscular, respiratory, and circulatory disabilities.

RD-349 (58-4).* STUDIES ON THE PARAMETERS OF CARDIAC OUTPUT AND CARDIAC WORK DURING VOCATIONAL REHABILITATION. Univ. of Minnesota Medical Sch., Minneapolis, MN 55455; F. J. Kottke, M.D.

To study the *fluctuation* ranges of *cardiac effort* for various types of vocational activities and activities of daily living.

RD-369 (59-2).* FIFTEEN YEARS OF CARDIAC WORK CLASSIFICATION. Monographs 1--4. 1. Etiology of Heart Disease in Relation to Employment. 2. Age in Relation to Employment. 3. Associated Conditions in Cardiacs in Relation to Employment. 4. Study of Cardiacs Who Left the Labor Market. Columbia Univ., 116th St. and Broadway, New York, NY 10027; L. J. Goldwater, M.D.

To analyze and correlate data in the vocational *adjustment* and personal *characteristics* of about 1,000 persons seen by a cardiac *work classification* unit.

RD-507 (60-3).* HOME CARE. Univ. of Maryland, Sch. of Medicine, Baltimore, MD 21201; George Entwisle, M.D.

To demonstrate the feasibility of *centrally coordinated* existing *facilities and services* in the *rehabilitation and home care* of persons disabled by cardiovascular diseases.

RD-682 (61-2).* EXERCISE TRAINING IN THE SUPINE POSITION IN PATIENTS WITH MITRAL STENOSIS. Montefiore Hospital, Dept. of Physical Medicine and Rehabilitation, Bronx, NY 10467; Albert D. Anderson, M.D.

To study and identify the *effects* of *training* and *other factors* on cardiac patients before, during, and after a program of rehabilitation.

RD-729 (61-1).* DO HEART DISEASE PATIENTS BENEFIT FROM WORK RECOMMENDATIONS? Univ. of Pittsburgh, Cardiac Work Evaluation Clinic, 3601 Fifth Ave., Pittsburgh, PA 15213; W. Leigh Cook, Jr., M.D.

To develop standards for cardiac work recommendations through an analysis of the relation of patient's *compliance with work prescriptions and mortality*.

RD-1025-M (63-2).* ELECTROPHYSIOLOGICAL MEASUREMENT OF CHRONIC ISCHEMIA. New York Medical College, One East 106th St., New York, NY 10029; Osvaldo Miglietta, M.D.

To study the *electrophysiological characteristics of peripheral nerve and muscle* and to determine if changes occur in these characteristics in the course of chronic occlusive arterial disease.

RD-1371-M (64-5). LONG-TERM REHABILITATION OF POSTOPERATIVE CARDIAC PATIENTS. Northwestern Univ. Medical Sch., Dept. of Neurology and Psychiatry, 303 East Chicago Ave., Chicago, IL 60611; Misha S. Zaks, Ph.D.

To study the *rehabilitation* of postoperative *cardiac* patients to determine *predictive indicators* for *favorable recovery* and long-term *adjustment*.

RD-1462-M (64-2).* CARDIOVASCULAR PROBLEMS IN REHABILITATION OF HEMIPLEGIC PATIENTS. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Lloyd T. Iseri, M.D.

To determine the types of *cardiovascular problems* present in *hemiplegic patients* undergoing rehabilitation and to develop objective data for evaluation of such problems in order to determine the patient's ability to undergo rehabilitation.

RD-1521-M (64-1).* TO EVALUATE THE VOCATIONAL REHABILITATION OF HEART PATIENTS THROUGH THE USE OF CORRECTIVE HEART SURGERY AND/OR DEFINITIVE MEDICAL TREATMENT. Univ. of Texas Medical Branch, Galveston, TX 77550; John R. Derrick, M.D.

A planning grant to evaluate the vocational rehabilitation of heart patients through the use of *corrective heart surgery* or definitive medical treatment. See also RD-1996.

RD-1610-M (65-1).* EVALUATION OF QUANTITATIVE IMPEDANCE PLETHYSMOGRAPHY FOR PERIPHERAL BLOOD FLOW MEASUREMENT DURING PHYSICAL MEDICINE PROCEDURE. Hospital of Univ. of Pennsylvania, Philadelphia, PA 19104; William J. Erdman II, M.D.

To develop the use of high *impedance plethysmography* in order to study *peripheral blood* flow in patients *during treatment* with such *physical therapeutic agents* as heat, cold, hydrotherapy, and deep friction massage. See also RD-1504.

RD-1677-M (65-1).* ENERGY EXPENDITURE IN CALIFORNIA CENTRAL VALLEY AGRICULTURE. California Heart Assn., 1370 Mission St., San Francisco, CA 94103; Harvey D. Cain, M.D.

To plan a study of *energy requirements* of normal and *cardiac agricultural workers* in the Central Valley of California.

RD-1715-M (65-5). ADVANCED EPIDEMIOLOGY OF CARDIOVASCULAR DISEASE. New York Univ. Sch. of Medicine, 550 First Ave., New York, NY 10016; Menard M. Gertler, M.D.

A study to identify and describe in biochemical terms individuals who can be termed "prone" to *coronary heart disease and stroke* to determine effects of *planned* preventive therapy on those prone to heart disease.

RD-1757-M (65-4). REHABILITATION PREDICTORS AND COMPLETED STROKE. American Rehabilitation Foundation, 1800 Chicago Ave., Minneapolis, MN 55404; N.C. Bourestrom, Ph.D.

To develop for individuals with *cerebrovascular* disease a multivariate set of *predictors of improvement following treatment* in a *rehabilitation* setting and at selected intervals after discharge.

RD-1795-M (65-5). AN EVALUATION OF METHODS OF EARLY CASE FINDING AND REHABILITATION IN CEREBROVASCULAR DISEASE. Univ. of Alabama Medical Center, 1919 Seventh Ave. South, Birmingham. AL 35233; Glenn H. Baird, M.D.

To evaluate a *population study* as a mechanism for investigation of *cerebrovascular disease*, estimate the prevalence of symptomatic and asymptomatic disease in a community, and determine the *value of treatment and comprehensive rehabilitation services* for persons identified as having cerebrovasuclar disorders.

RD-1991-M (66-4).* COMPREHENSIVE REHABILITATION AND VOCATIONAL ADJUSTMENT OF CARDIAC OASDI RECIPIENTS. Ben R. Meyer Rehabilitation Center, Cedars-Sinai Medical Center, 4833 Fountain Ave., Los Angeles, CA 90029; John H. Aldes, M.D.

To determine the nature and significance of variables that may be *valid predictors* of successful *vocational adjustment* for *cardiac patients* who use the integrated services of a rehabilitation center.

RD-1994-M (67-3). REHABILITATING THE CORONARY PATIENT FOR WORK. Montefiore Hospital and Medical Center, 111 East 210th St., Bronx, NY 10467, Jerome S. Tobis, M.D.

To determine the effect of a *community center physical fitness* program on the vocational outcome of *recently recovered myocardial infarction* patients and to demonstrate the feasibility of a hospital-community center program for these patients.

RD-1996-M (66-3). VOCATIONAL REHABILITATION AND CARDIAC SURGERY. Univ. of Texas, Medical Branch, Galveston, TX 77550; John R. Derrick, M.D.

To evaluate the effects of *comprehensive rehabilitation services* on the vocational rehabilitation of patients with *heart surgery*. See also RD-1521.

RD-2119-M (66-3). THE EFFICACY OF MYOCARDIAL REVASCULARIZATION IN FUNCTIONAL REHABILITATION. Mt. Zion Hospital and Medical Center, 1600 Divisadero St., San Francisco, CA 94116; Hyman W. Paley, M.D.

To evaluate the efficacy of *myocardial revascularization* procedures in the vocational rehabilitation of patients with *coronary artery disease* who have had to withdraw from their occupations.

RD-2147-G (66-1).* REHABILITATION OF STROKE PATIENTS IN NEW ENGLAND NURSING HOMES. Northeastern Univ., 360 Huntington Ave., Boston MA 02115; Marvin S. Arffa, Ed.D.

To appraise the current status of concepts and activities for rehabilitation *stroke patients* in selected *nursing homes* in New England.

Spec. rept. *Rehabilitation of Stroke Patients: An Annotated Bibliography*.

RD-2150-G (66-1).* REHABILITATION IN CARDIAC DISEASE. Tufts Univ. School of Medicine, 136 Harrison Ave., Boston MA 02111; Harold M. Sterling, M.D.

To hold a *research seminar* on rehabilitation in *cardiac disease*.

RD-2168-M (66-1).* A STUDY TO DETERMINE FACTORS WHICH HAVE PREDICTIVE AND THERAPEUTIC RELEVANCE TO THE REHABILITATION OF PATIENTS AFTER CARDIAC SURGERY. National Jewish Hospital, 3800 East Colfax Ave., Denver, CO. 80206; Martin Nacman.

To determine *factors* which have *predictive and therapeutic relevance* to the rehabilitation of patients after *cardiac surgery*. See also RD-2113.

Spec. rept. *Research in Asthma and Other Allergic Disorders.*

RD-2219-M (67-3). REGIONAL CARDIOVASCULAR REHABILITATION. Univ. of Alabama Medical Center, 1919 South Seventh Ave., Birmingham, AL 35233; T. J. Reeves, M.D.

To develop a *regional cardiovascular rehabilitation center.*

RD-2237-M (67-2).* THE ROLE OF THE SOMATOTYPE IN SURVIVORSHIP AMONG CARDIAC PATIENTS. Western Reserve Univ., 2040 Adelbert Rd., Cleveland, OH 44106; C.W. Dupertuis, Ph.D.

To investigate the relationship between *physical constitution* and *survival of cardiac patients* and the application of somatotype studies to vocational rehabilitation.

RD-2412-M (67-1).* A STUDY OF NEW EARLY PROGNOSTIC INDICATORS IN STROKE PATIENTS. Vanderbilt Univ. Sch. of Medicine, Nashville, TN 37203; Richard Blanton, Ph.D. and A. B. Brill, M.D.

A pilot study of *new early prognostic indicators* in *stroke* patients.

RD-2477-M (67-1).* PLANNING FOR A REGIONAL HEART CENTER FOR EVALUATION AND REHABILITATION. Heart Research Foundation, 2105 Carew Tower, Cincinnati, OH 45202; Robert S. Green, M.D.

A pilot project to plan for a *regional heart center* for evaluation and rehabilitation.

RD-2515-M (68-3). EXERCISE ECG PARAMETERS IN REHABILITATION OF CARDIAC PATIENTS. Lankenau Hospital, Lancaster and City Line Ave., Philadelphia, PA 19151; Newton C. Birkhead, M.D.

A project to establish the *exercise ECG parameters* in the rehabilitation of *cardiac* patients.

RD-2537-P (68-4). EDUCATING STROKE PATIENT FAMILIES. Curative Workshop of Milwaukee, 750 North 18th St., Milwaukee, WI 53233; Robert P. Overs, Ph.D.

A demonstration project to help families of *stroke* patients better understand and help the patient.

RD-2699-M (68-1).* RESEARCH CONFERENCE ON APPLIED WORK PHYSIOLOGY. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Michael M. Dacso, M.D.

To conduct a research *conference* on applied work physiology.

RD-2799-M (69-6 mo.). EVALUATION OF THERMOGRAPHY IN DETERMINING AMPUTATION SITE IN PERIPHERAL VASCULAR DISEASE. Duke Univ., Durham, NC 27706; Frank W. Clippinger, Jr., M.D.

A pilot study to evaluate *thermography* as an adjunct in the determination of the level and extent of viability in *lower extremities* threatened with *amputation* because of *vascular insufficiency.*

RD-2839-M (68-5). ADAPTATION OF YOUNG CARDIACS. Children's Hospital Medical Center, 300 Longwood Ave., Boston, MA 02115; Alexander S. Nadas, M.D.

To investigate the effect of *congenital heart disease* and its severity on the *psychosocial adaptation* and vocational development of patients from 12 years of age to early adult life.

RD-2858-M (68-3). CAN PATIENTS WITH DIFFUSE MYOCARDIAL DISEASE OF UNKNOWN ETIOLOGY BE RETURNED TO WORK? Univ. of Texas Southwestern Medical Sch., 5323 Harry Hines Blvd., Dallas, TX 75235; William Shapiro, M.D.

To seek an accurate *definition* of the deranged *physiology* and the *impact of therapy* in patients who have been classified as having *"diffuse myocardial disease* of unknown etiology."

RD-2960-M (68-5). A COMPREHENSIVE STROKE REHABILITATION PROGRAM IN SELECTED GENERAL HOSPITALS. Chicago Heart Assn., 22 West Madison St., Chicago, IL 60602; Edward E. Gordon, M.D.

To *organize* hospital and community *resources* to *deliver* rehabilitation *services* to the patient with completed *stroke.*

RD-3055-M (69-5). REHABILITATION OF THE PATIENT WITH SEVERE DISABLING ANGINA. Attending Staff Assn., Rancho Los Amigos Hospital, 12826 Hawthorn St., Downey, CA 90242; Ronald H. Selvester, M.D.

To extend the pilot program of active *in-house rehabilitation* of the chronically disabled patient with *coronary heart disease.*

RD-16 (55-5).* CEREBRAL PALSY WORK CLASSIFICATION AND EVALUATION PROJECT. 2 vols. Inst. for Crippled and Disabled, 400 First Ave., New York, NY 10010; Bernard Rosenberg.

For developing *methods of evaluating the potential abilities* of severely disabled cerebral palsied *adults* through using a wide variety of *sample jobs*, in order that more effective training and job placement can be given to this group.

Film. *Evaluating the Vocational Potential of the Cerebral Palsied.*

RD-105 (57-4).* AN EVALUATION OF A "TOTAL PUSH" PROGRAM IN A SPECIALIZED AGENCY FOR THE CEREBRAL PALSIED. United Cerebral Palsy Assn. of Los Angeles Co., 1726 West Pico Blvd., Los Angeles, CA 90015; Tamar Ilanit, Ph.D.

To develop an *intensive service* program in a *workshop* for severely handicapped cerebral palsied *adults*, directed toward placement in industry.

Spec. rept. *A Study of the Upper Extremity Control Brace for Self-Feeding With Cerebral Palsied Athetoid Adults.*

RD-608 (61-2).* CEREBRAL PALSIED COLLEGE STUDENTS: THEIR EDUCATION AND EMPLOYMENT. State Univ. of Iowa, College of Education, Iowa City, IA 52240; J. E. Muthard, Ph.D.

An intensive study of the sociopsychological and environmental-physical *problems and solutions* encountered by the *young* cerebral palsied adult who attends *college*. See also RD-2135.

RD-813-P (62-1).* TO DEVELOP A RESEARCH AND DEMONSTRATION PROJECT TO STUDY METHODS AND PROCEDURES IN MEETING THE NEEDS OF YOUNG ADULTS WITH CEREBRAL PALSY IN THEIR PERSONAL, SOCIAL, AND VOCATIONAL ADJUSTMENT. United Cerebral Palsy of New York City, Inc., 70 Fifth Ave., New York, NY 10011; Martin E. McCavitt, Ed.D.

A planning study to develop a demonstration program concerned with *meeting* the vocational rehabilitation *needs* of *multiple handicapped*, severely disabled cerebral palsied *young adults*.

RD-1001-P (62-3).* METHODS FOR FACILITATING THE ADAPTATION OF ADULTS WITH CEREBRAL PALSY TO PERSONAL, SOCIAL AND VOCATIONAL INSTRUMENTAL ROLES. United Cerebral Palsy of New York City, Inc., 70 Fifth Ave., New York, NY 10011; Martin E. McCavitt, Ed.D.

To evaluate the effectiveness of *methods of training* cerebral palsied *adults* in activities preparing them for employment or more independent living.

RD-1963-G (66-1).* EXPLORING INTER-AGENCY SERVICES. Goodwill Industries of America, 1913 N St. N.W., Washingon, DC 20036; Ernest Fleischer.

To conduct a conference to explore how two nonprofit agencies can plan the *cooperative use of their respective resources in a single facility to provide vocational rehabilitation services to the cerebral palsied.*

RD-2135-G (66-1). CEREBRAL PALSIED COLLEGE STUDENTS: THEIR EDUCATION AND EMPLOYMENT. Univ. of Iowa, Iowa City, IA 52240; Dr. Leonard A. Miller.

To follow up a group of cerebral palsied college graduates to ascertain *employment satisfaction* and general *life adjustment* to determine efficacy of a college education for *cerebral palsied persons*. See also RD-608.

SELECTED DEMONSTRATIONS
Work Classification and Evaluation Centers for Persons With Cerebral Palsy

RD-264 (59-4).* CEREBRAL PALSY WORK CLASSIFICATION AND EVALUATION PROJECT. UCP of Milwaukee, 4012 North 42nd St., Milwaukee, WI 53216; Ray Barsch, Ph.D.

RD-265 (58-1).* WORK CLASSIFICATION AND EVALUATION CENTER FOR CEREBRAL PALSIED. UCP Assn. of Northwest Oregon, 622 Southeast Grand Ave., Portland, OR 97214; John A. Bowers.

RD-269 (58-3).* CEREBRAL PALSY WORK CLASSIFICATION AND EVALUATION PROJECT. UCP Assn. of Greater St. Louis, 850 Goodfellow Ave., St. Louis, MO 63112; John McAllister.

RD-270 (58-4).* WORK CLASSIFICATION AND EVALUATION CENTER FOR THE CEREBRAL PALSIED IN PHILADELPHIA AND VICINITY. UCP Assn. of Philadelphia and Vicinity, 1920 Chestnut St., Philadelphia, PA 19103; H. Dale Friedman.

RD-358 (59-3).* EVALUATION OF THE VOCATIONAL AND WORK CLASSIFICATION AREAS FOR THE CEREBRAL PALSIED. UCP Assn. Rehabilitation Center, 1411 Northwest 14th Ave., Miami, FL 33125; Josephine Arns, Ed.D.

RD-490 (60-5).* PLACEMENT OF THE CEREBRAL PALSIED AND OTHERS THROUGH EVALUATION AND TRAINING. Memphis Goodwill Industries, 94 North Second St., Memphis, TN 38103; Mrs. Weir H. Harris.

RD-524 (59-4).* CEREBRAL PALSY WORK CLASSIFICATION AND EVALUATION PROJECT. Polk Co. Society for Crippled Children and Adults, 2920 30th St., Des Moines, IA 50310; Daniel D. Mauchline.

RD-22 (56-5).* THE INDUSTRIAL ASSIMILATION OF THE EPILEPTIC THROUGH A COMMUNITY PRODUCTION WORKSHOP. Epi-Hab, Inc., 5957 South Western Ave., Los Angeles, Calif. 90047; Frank Risch, Ph.D.

Establishment of a *workshop* to demonstrate to labor and industry that persons with epilepsy can effectively perform many kinds of *industrial and mechanical jobs* from which they have been previously excluded, with benefit to themselves as well as to the community.

Spec. rept. *Epi-Hab U.S.A., Inc. Cracks the Epilepsy Taboo.*

RD-224 (58-4).* Final report in 2 vols. 1. THE WORK PERFORMANCE OF EPILEPTICS IN INDUSTRY. 2. WORK PERFORMANCE OF THE HANDICAPPED - CEREBROVASCULAR DISEASE. Columbia Univ. 116th St. and Broadway, New York, NY 10027; L. J. Goldwater, M.D.

To study the work adjustment of persons with epilepsy and other neurological disorders in order to *identify and evaluate personal and environmental factors* which influence their work performance.

RD-382 (59-3).* EMPLOYMENT PROBLEMS OF EPILEPTICS. Sister Elizabeth Kenny Foundation, 2400 Foshay Tower, Minneapolis, MN 55402; Milton Ettinger, M.D.

To *evaluate all factors in the employability* of persons with epilepsy in order to develop more effective rehabilitation methods for this disability group.

RD-853-G (62-2).* COMMUNITY ROLE IN REHABILITATION OF PERSONS WITH EPILEPSY. United Epilepsy Assn., 111 West 57th St., New York, NY 10019; Harry Sands, Ph.D.

To demonstrate methods of *community organization* and to *develop informational* as well as *educational material* which will contribute toward the vocational rehabilitation of epileptics.

RD-1161-P (63-3).* A COORDINATED APPROACH TO INCREASE THE EMPLOYABILITY OF INDIVIDUALS HANDICAPPED BY EPILEPSY. Rehabilitation Inst., 3600 Troost Ave., Kansas City, MO 64109; Kenneth Wilcox, Ph.D.

To demonstrate the effectiveness of an intensive vocational rehabilitation program for epileptics which provides *comprehensive* psychosocial, medical, and vocational *assessment* coordinated with *selective placement and followup* services.

RD-1202-G (63-1).* UNIFYING NATIONAL VOLUNTARY LEADERSHIP ON BEHALF OF PERSONS WITH EPILEPSY. Natl. Health Council, 1790 Broadway, New York, NY 10019; Peter G. Meek.

To study the feasibility of establishing a *single national organization* on epilepsy for the purpose of strengthening the vocational rehabilitation attack on this disability in the Nation.

RD-1225-M (63-3).* THE ROLE OF STEREOTACTIC SURGERY IN THE REHABILITATION OF PATIENTS WITH UNCONTROLLABLE EPILEPSY. Univ. of California, Berkeley, CA 94122; J.E. Adams, M.D.

To investigate the applicability of *stereotactic techniques* in the *control of seizures* in the rehabilitation of the epileptic.

RD-1403-P (64-3).* NEUROLOGICAL, PSYCHOLOGICAL, AND SOCIAL FACTORS RELATED TO EMPLOYABILITY OF PERSONS WITH EPILEPSY. Michigan Epilepsy Center and Assn., 10 Peterboro, Detroit, MI 48201; R.D. Dennerll, Ph.D.

To determine personal characteristics *predicting vocational success* of epileptic clients and to define and measure a concept of *employment readiness*.

RD-1421-G (64-3).* CHANGING EMPLOYMENT POLICIES AND ATTITUES TOWARD PERSONS WITH EPILEPSY. United Epilepsy Assn., 111 West 57th St., New York, NY 10019; Harry Sands, Ph.D.

To demonstrate methods of *shaping employer attitudes, practices, and policies* through business associations, unions, and fraternal and community organizations.

RD-1729-P (65-1).* SELF-DISCLOSURE PATTERNS AMONG EPILEPTICS. Williams College, Williamstown, MA 01267; Robert Kleck, Ph.D.

To explore *self-revelation patterns* among epileptics; specifically, to determine whether epileptics inhibit self-revelation to a greater extent than nonepileptics.

RD-1820-M (67-3).* A REGIONAL PROGRAM FOR REHABILITATION IN EPILEPSY AND RELATED NEUROLOGICAL DISABILITIES. Barrow Neurological Inst. of St. Joseph's Hospital, 350 West Thomas Road, Phoenix, AZ 85002; Joseph C. White, Jr., M.D.

To demonstrate that a special *regional diagnostic and treatment* center, including a resident outpatient center, can provide the most comprehensive and efficient methods for dealing with problems in the rehabilitation of epileptics.

RD-1948-G (66-5).* COMMUNITY PROGRAM TO FACILITATE THE REHABILITATION OF PERSONS WITH EPILEPSY. Epilepsy Assn. of America, 1419 H St. N.W., Washington, DC 20005; Harry Sands, Ph.D.

To demonstrate how a national voluntary health organization can develop national, State, and local programs to *augment and facilitate the*

rehabilitation of epileptics by public and private agencies.

RD-2172-G (66-1).* THE JUVENILE WITH EPILEPSY: PERSPECTIVE ON EMPLOYMENT AND LIFE ASPIRATIONS. The Epilepsy Foundation, 1419 H St. NW, Washington, DC 20005; Charles Kram, Ph.D.

A pilot project to plan a *school-community program* for assessing the *future employability of high school students* who have *epilepsy*.

RD-2211-P (67-2).* PSYCHOSOCIAL FUNCTIONING IN EPILEPSY: A STUDY OF THE EFFECTS OF SURGICAL TREATMENT ON PERSONS WITH TEMPORAL LOBE EPILEPSY. California Dept. of Mental Hygiene, Langley-Porter Neuropsychiatric Inst., 401 Parnassus Ave., San Francisco, CA 94122; Mardi J. Horowitz, M.D.

To investigate and demonstrate methods of psychological, psychophysiological, and psychiatric *assessment and treatment* of patients *prior to and after medical or surgical control of seizures*.

RD-2341-M (67-3). THE EFFECTS OF SURGICAL TREATMENT FOR FOCAL EPILEPSY. Johns Hopkins Univ., Sch. of Medicine, 725 North Wolfe St., Baltimore, MD 21205; A. E. Walker, M.D.

To demonstrate the effectiveness of *surgical treatment for focal* epilepsies and to *document the respective role* of specific *cerebral lesions*, the *psychosocial impact* of seizure condition, and *medication* as factors which may contribute to disability of focal epileptics.

RD-2592-G (67-4). EVALUATION OF A SERVICE PROGRAM FOCUSED ON VOCATIONAL REHABILITATION AS A PROTOTYPE FOR AN URBAN VOLUNTARY EPILEPSY AGENCY. Epilepsy Society of Massachusetts, 73 Tremont St., Boston, MA 02108; R. E. Pigott, Ed.D.

To develop a *protoype community service program* in a local voluntary epilepsy agency.

RD-2682-G (68-3). HOW A REHABILITATION CENTER CAN REDUCE COMMUNITY BARRIERS TO EMPLOYMENT OF EPILEPTICS. Springfield Goodwill Industries. 285 Dorset St., Springfield, MA 01108; Kevin Baack.

To demonstrate how a rehabilitation center can reduce community barriers to employment of epileptics.

SELECTED DEMONSTRATIONS

Occupational Adjustment Centers for Persons Severely Disabled by Epilepsy

RD-253 (58-4).* INDUSTRIAL ASSIMILATION OF THE EPILEPTIC THROUGH A COMMUNITY PRODUCTION WORKSHOP. Epi-Hab Phoenix, Inc., 1716 West McKinley St., Phoenix, AZ 85006; W. Keith Sidley.

RD-279 (58-3).* THE INDUSTRIAL ASSIMILATION OF THE EPILEPTIC THROUGH A COMMUNITY PRODUCTION WORKSHOP. Epi-Hab Long Island, Inc., 110-08 Liberty Ave., Long Island, NY 11419; Mrs. Theodore Doctor.

RD-55 (56-5).* Final report in 2 vols. 1. DAY HOSPITAL: A STUDY OF PARTIAL HOSPITALIZATION IN PSYCHIATRY. 2. HALFWAY HOUSE: A SOCIOCULTURAL AND CLINICAL STUDY OF RUTLAND CORNER HOUSE. Massachusetts Mental Health Center, 74 Fenwood Road, Boston, MA 02115; Milton Greenblatt, M.D.

To determine the *effectiveness* of *coordinated efforts* of hospitals, ex-patients, patient groups, and community agencies in the vocational rehabilitation of the mentally ill.

Spec. rept. *New Pathways From the Mental Hospital.*

RD-83 (56-1).* A STUDY IN ADJUNCTIVE THERAPIES COORDINATION. Washburn Univ. of Topeka, Topeka, KS 66621; William H. Key, Ph.D.

To study the responsibilities, knowledge, and skills required of the administrator of the several *therapies used in mental hospitals* with a view to increasing the effectiveness of these services in rehabilitating the mentally ill.

RD-114 (57-1).* SURVEY OF EMPLOYER ATTITUDES AND PRACTICES IN THE HIRING OF EX-MENTAL PATIENTS. Massachusetts Assn. for Mental Health, 41 Mount Vernon St., Boston, MA 02108; Samuel Grob, Ph.D.

To increase employment opportunities for patients discharged from mental hospitals by a systematic survey of *employer hiring practices and attitudes* in relation to this group.

RD-122 (57-3).* SPECIAL FACILITY TO PROVIDE GROUP LIVING FOR POST-HOSPITAL MENTAL PATIENTS BEING ASSISTED IN REHABILITATION BY EMPLOYERS' REHABILITATION PLANNING COMMITTEE. Rehabilitation Planning Committee, 854 Jackson St., Santa Clara, CA 95051; Herbert T. Rogers.

To demonstrate the effectiveness of an employer-sponsored and professionally supervised *halfway house* as a means of helping patients discharged from mental hospitals to return to employment.

RD-142 (57-3).* DEMONSTRATION OF THE INTEGRATION OF NEUROPSYCHIATRIC PATIENTS WITH PHYSICAL DISABILITY CASES IN A REHABILITATION CENTER. Rehabilitation Center of Greater St. Louis, 608 North Spring Ave., St. Louis, MO 63108. Susan S. Barnes.

To investigate the practicability of *integrating neuropsychiatric* patients with physical disability patients in a *rehabilitation center.*

RD-153 (57-3).* THE OREGON STUDY OF REHABILITATION OF MENTAL HOSPITAL PATIENTS. 2 vols. State Project Committee, Division of Vocational Rehabilitation, 509 State Office Bldg., Salem, OR 97310; C.F. Feike.

To demonstrate the effect on the vocational rehabilitation of mental hospital patients of a *coordinated program of services* by the State health, welfare, mental health hospital and vocational rehabilitation agencies.

RD-155 (58-2).* REHABILITATION OF CHRONICALLY ILL PSYCHIATRIC PATIENTS. Johns Hopkins Univ., Baltimore, MD 21218; J. D. Frank, M.D.

To study the effectiveness of *three methods of treatment* in the vocational rehabilitation of the chronically ill psychiatric outpatient.

RD-176 (57-3).* SOCIO-ECONOMIC REHABILITATION OF FORMER MENTAL PATIENTS. Research Foundation for Mental Hygiene, Manhatten Aftercare Clinic, 39 East 17th St., New York, NY 10003; Else B. Kris, M.D.

To investigate the course of *vocational and socio-economic adjustment* of mental patients newly released from the hospital, and to develop measures to prevent recurrent psychotic breakdown.

RD-179 (57-1).* SURVEY OF EMPLOYMENT EXPERIENCE OF PATIENTS DISCHARGED FROM THREE STATE MENTAL HOSPITALS DURING PERIOD 1951-1953. Massachusetts Assn. for Mental Health, 41 Mount Vernon St., Boston, MA 02108; Samuel Grob, Ph.D.

To investigate by the *case-study* method the *vocational adjustment* of mental patients discharged from three State hospitals during 1951-1953.

RD-180 (58-3).* THE VERMONT STORY - REHABILITATION OF CHRONIC SCHIZOPHRENIC PATIENTS. Vermont State Hospital, Waterbury, VT 05676. George W. Brooks, M.D.

To investigate methods for the vocational *rehabilitation* of selected chronic *schizophrenics* and to demonstrate the possibilities of their *return to the community* as self-supporting individuals.

RD-182 (57-3).* MILIEU REHABILITATION FOR PHYSICAL AND MENTAL HANDICAPS. Butler Health Center, 333 Grotto Ave., Providence, RI 02906. J. S. Bockoven, M.D.

To evaluate the effectiveness of a rehabilitation program combining *physical and psychiatric treatment* at the same *community health center.*

RD-297 (58-4).* VOCATIONAL REHABILITATION OF PSYCHIATRIC CLIENTS THROUGH COOPERATION OF STATE DEPARTMENT OF PUBLIC HEALTH, STATE DIVISION OF VOCATIONAL REHABILITATION, AND GENERAL HOSPITALS. Georgia Division of Vocational Rehabilitation, State Office Bldg., Atlanta, GA 30334; A. P. Jarrell.

To demonstrate the effectiveness of *early vocational evaluation* and *provision* of vocational rehabilitation *services* in the treatment

of persons admitted to *psychiatric screening centers* of general hospitals.

RD-334 (59-4).* A STUDY OF THE CONTRIBUTION OF WORKSHOP EXPERIENCE IN THE VOCATIONAL REHABILITATION OF POST-HOSPITALIZED SCHIZOPHRENIC PATIENTS. Jewish Vocational Service of Essex Co., 32 Green St., Newark, NJ 07102; Joseph L. Weinberg.

To study the effectiveness of *workshop experience* in the vocational *adjustment* of *schizophrenic* patients recently released from a mental hospital.

RD-405 (60-4).* FACTORS INFLUENCING REHABILITATION POTENTIAL AMONG THE PSYCHIATRICALLY DISABLED. Univ. of Minnesota Medical School, Minneapolis, MN 55455; Frederic J. Kottke, M.D., and P. F. Briggs, Ph.D.

To study the use of a *prevocational workshop* as a diagnostic and therapeutic aid in vocational rehabilitation of patients with mental illness.

RD-424 (59-1).* PSYCHIATRIC REHABILITATION: SOME PROBLEMS OF RESEARCH. Columbia Univ., 116th St. and Broadway, New York, NY 10027; L. C. Kolb, M.D.

To conduct a *conference* of investigators engaged in OVR and NIMH research and demonstration projects in the field of mental illness to advance research methods and develop additional research opportunities.

RD-426 (59-3).* Final Report in 2 vols. 1. ATTITUDES TOWARD MENTAL PATIENTS AND THEIR REHABILITATION: A STUDY OF MENTAL HEALTH PERSONNEL IN AN ATLANTIC BORDER STATE, IN HAWAII AND IN ENGLAND. 2. ATTITUDES TOWARD MENTAL ILLNESS: A CROSS-CULTURAL STUDY. World Federation for Mental Health, United States Committee, Inc., 162 East 78th St., New York, NY 10028; Mottram P. Torre, M.D., and A. R. Askenasy.

To study *attitudes* toward mental illness and and mental health *in diverse* cultural and socioeconomic *settings* in order to develop evaluative methods and techniques needed by communities planning more effective mental health programs.

RD-449 (60-1).* A WORK THERAPY RESEARCH CENTER. Jewish Vocational Service, One South Franklin St. Chicago, IL 60606; William Gellman, Ph.D.

To plan a study on the contribution of *work therapy* together with other vocational rehabilitation activities on the course of mental illness and the vocational and social adjustment of persons recovering from functional psychotic disorders. See also RD-641.

RD-486 (60-2).* HOME ECONOMICS TRAINING AT GREENTREE SCHOOL. Central State Hospital, Lakeland, KY; Nina Kateryniuk, M.D.

To demonstrate the value of concurrent *clinical treatment and home economics training* in assisting women recovering from mental illness to resume their *homemaker* responsibilities.

RD-487 (60-3).* VOCATIONAL GROUP THERAPY WITH THE EMOTIONALLY DISTURBED. Jewish Family and Children's Service, 314 14th St., Denver, CO 80202; A. M. Neumann, Ph.D.

To evaluate occupationally oriented *group therapy* in conjunction with vocational training, in the rehabilitation of emotionally disturbed individuals.

RD-505 (60-4).* A STUDY OF THE FEASIBILITY FOR VOCATIONAL REHABILITATION OF A PERPLEXING GROUP OF PATIENTS AWAITING SEPARATION FROM A STATE PSYCHIATRIC HOSPITAL. Jewish Vocational Service and Community Workshop, Fred M. Butzel Memorial Bldg., 163 Madison Ave., Detroit, MI 48226; Albert Cohen.

To study the feasibility for vocational rehabilitation of patients recently discharged from a psychiatric hospital and to compare the accuracy of several methods of *employability prediction*.

RD-550 (60-5).* DAY CARE REHABILITATION CENTER FOR EMOTIONALLY DISTURBED ADOLESCENTS. Butler Health Center, 333 Grotto Ave., Providence RI 02906; Charles H. Jones, M.D.

To evaluate in a *day-care setting* the effectiveness of psychiatric treatment and vocational services for emotionally disturbed *adolescents* whose condition would otherwise hinder their successful employment or further education.

RD-578 (60-3).* THE USE OF SOCIAL GROUP WORK IN THE TREATMENT AND REHABILITATION OF PATIENTS IN THE PSYCHIATRIC DEPARTMENT OF A GENERAL HOSPITAL. St. Vincent's Hospital of the City of New York, 153 West 11th St., New York, NY 10011; Hazel M. Halloran.

A systematic evaluation of the effect of *social group work* in the treatment and rehabilitation of psychiatric patients.

RD-623 (61-3).* A STRUCTURED THERAPEUTIC WORK-STUDY PROGRAM FOR EMOTIONALLY DISTURBED ADOLESCENTS. Berman School, 176 Pine St., Freeport, NY 11520; J. E. Slutzky, Ph.D.

To investigate the contribution of a therapeutically oriented *work-study program* to the vocational rehabilitation of emotionally disturbed *adolescents*.

RD-641 (61-5).* A WORK THERAPY RESEARCH CENTER: REHABILITATION OF HOSPITALIZED, CHRONICALLY ILL MENTAL PATIENTS. Jewish Vocational Service,

One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.

To demonstrate the value of *work therapy* and other rehabilitative activities in a *sheltered workshop* setting in the vocational and social *adjustment* of former mental hospital patients. See also RD-449.

RD-685 (61-5).* YOUTH IN TROUBLE: A VOCATIONAL APPROACH. The Children's Village, Dobbs Ferry, NY 10522; Morton Zivan, Ph.D.

To demonstrate in a *day-care setting* the feasibility of effective comprehensive rehabilitation service to meet vocational and social needs of emotionally disturbed *delinquent adolescents*.

RD-689 (61-3).* WORK EVALUATION AND TRAINING FOR CHRONIC MENTAL HOSPITAL PATIENTS IN A GENERIC WORKSHOP. Goodwill Industries of Fort Worth, 665 South Main St., Fort Worth, TX 76104; Mrs. Lei Fern Huff.

To demonstrate in a nonhospital setting the effectiveness of *work evaluation and sheltered employment* in the rehabilitation of chronic mentally ill patients admitted to a U.S. Public Health Service Hospital.

RD-712 (61-3).* JOB PLACEMENT OF THE EMOTIONALLY HANDICAPPED. Just One Break, 717 First Ave. New York, NY 10017; Fred C. Board.

To demonstrate the effectiveness of *intensive case services* in cooperation with a State vocational rehabilitation agency for persons recently discharged from mental hospitals.

RD-713 (61-4).* HALFWAY HOUSE FOR CHRONIC MENTAL PATIENTS: A HARVARD-RADCLIFFE STUDENT VOLUNTEER PROGRAM. Massachusetts Mental Health Research Corp., 15 Farrar St., Cambridge, MA 02138; David Kantor.

To determine the therapeutic effectiveness of resident university *student volunteers* on the social and vocational rehabilitation of chronic mental patients in a community-sponsored *halfway house*.

RD-716 (614).* THE SOCIAL THERAPEUTIC CLUB: A TOOL FOR VOCATIONAL REHABILITATION. Center House Foundation, 48 Boylston St., Boston, MA 02116; Samuel Grob, Ph.D.

To demonstrate the value of *prevocational* services and a transitional *work conditioning program* in a *halfway house* setting for ex-mental patients not yet ready to compete for full-time employment.

RD-754-P (61-3).* PRE-VOCATIONAL REHABILITATION IN A DAY-CARE CENTER. Minnehaha Guidance Center, Sioux Falls, SD 57102; Roy C. Knowles, M.D.

To demonstrate the feasibility of providing vocational, guidance, and other *rehabilitation services* to mentally and emotionally disturbed adults in a *rural all-purpose mental health center*.

RD-778-P (61-3).* VOCATIONAL REHABILITATION SERVICES IN A TOTAL PSYCHIATRIC CARE PROGRAM. Georgia Division of Vocational Rehabilitation, State Office Bldg., Atlanta, GA 30334; A.P. Jarrell.

To demonstrate the therapeutic effectiveness of *comprehensive vocational rehabilitation services* to selected *mental hospital* patients given concurrently with other treatment.

RD-784-P (61-2).* DARK - LIGHT: SCREENING CHRONIC PATIENTS OF A NEUROPSYCHIATRIC HOSPITAL FOR VOCATIONAL REHABILITATION POTENTIAL. Arkansas Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; Robert L. Parson.

To develop and analyze a systematic method of *screening hospitalized* chronic neuropsychiatric patients for vocational *rehabilitation potential*.

RD-792-P (61-3).* THE MEANING OF WORK AND MENTAL ILLNESS. Univ. of Pittsburgh, Pittsburgh, PA 15213; David Landy, Ph.D.

To investigate the *meaning of work* for the mentally ill and its implications for vocational rehabilitation.

RD-817-P (62-5). A COMPREHENSIVE COMMUNITY-BASED REHABILITATION SERVICE FOR THE PSYCHIATRICALLY DISABLED. Horizon House, 1823 Pine St., Philadelphia, PA 19103; Irvin D. Rutman, Ph.D.

To evaluate the effectiveness of a *community-based comprehensive residential program* in the vocational rehabilitation of post-hospitalized psychiatric patients.

RD-837-P (62-3).* THE CONARD HOUSE REPORT. Conard House, 2441 Jackson St., San Francisco, CA 94115; Elaine Mikels.

To demonstrate the effectiveness of *integrating*, within a *residential setting*, post-hospitalized *psychiatric, emotionally disturbed*, or *mentally retarded* patients with a *nonpatient population* in order to enhance certain adjustment factors which often impede occupational success for these patient groups.

RD-843-P (62-3).* REHABILITATION OF RECENT FIRST-ADMISSION GERIATRIC MENTAL HOSPITAL PATIENTS. Univ. of Michigan, Ann Arbor, MI 48104; Wilma Donahue, Ph.D.

To demonstrate methods of rehabilitating recent first-admission *geriatric* mental hospital patients in a *"normalized" living and work situation* within an *institutional* setting.

RD-848-P (62-1).* THE EMPLOYABILITY OF PERSONS RELEASED FROM A MENTAL HOSPITAL. Worcester State Hospital, 305 Belmont St., Worcester, MA 01604; Herbert Lipton, Ph.D.

To demonstrate and evaluate a comprehensive *screening, placement, and follow up* for mental hospital patients involving employers and personnel directors.

RD-891-P (63-3).* THE REMOTIVATION OF CHRONIC SCHIZOPHRENIC MEN PATIENTS THROUGH THE USE OF "WORK CONDITIONING" IN HOSPITAL WORK. Hawaii State Hospital, Division of Mental Health, Kaneohe, HI 96744; George Paik.

To evaluate methods of *vocational counseling and supervision* of chronic *schizophrenic* patients within a hospital setting.

RD-906-P (62-3).* COUNSELING AND PSYCHOTHERAPY: PROCESS AND OUTCOME. Univ. of Kentucky, Lexington, KY 40506; Charles B. Truax, Ph.D., and Dr. Robert Carkhuff.

To study factors in constructive *personality changes* during *group psychotherapy* and the generality of operation of these factors in diverse patient populations.

RD-908-P (63-3).* INTENSIVE POST-HOSPITAL REHABILITATION PROGRAM FOR DEPRESSED MENTAL PATIENTS. Massachusetts Mental Health Research Corp., 74 Fenwood Road, Boston, MA 02115; George H. Grosser, Ph.D.

To evaluate the effectiveness of a 2-year *post-hospital counseling* program for depressed patients.

RD-949-P (63-3).* REHABILITATION OF THE YOUNG OFFENDER: A COOPERATIVE PROGRAM OF CORRECTIONAL REHABILITATION. Vocational Rehabilitation Division, 307 Will Rogers Bldg., State Capitol Complex, Oklahoma City, OK 73105; James A. West.

To show the effectiveness of intensive rehabilitation services for a group of *young reformatory inmates* who are physically handicapped, mentally retarded, or emotionally disturbed.

RD-990-P (63-3).* A STUDY OF THE FACTORS INVOLVED IN THE REHABILITATION OF THE VOCATIONALLY DISADVANTAGED FORMER MENTAL PATIENT. Inst. for the Crippled and Disabled, 400 First Ave., New York, NY 10010; Walter S. Neff, Ph.D.

To evaluate the effectiveness of a *comprehensive rehabilitation setting* in the vocational rehabilitation of mental patients; to determine characteristics of the patient leading to his benefiting from such services.

RD-1035-P (62-1).* IMPACT OF MONEY PAYMENTS BECAUSE OF DISABILITY ON MOTIVATION FOR REHABILITATION. Brandeis Univ., Waltham, MA 02154; David G. French, Ph.D.

To plan a study of the influence of money payments for psychiatric disability on *motivation* for rehabilitation.

RD-1058-P (63-3).* THE POST-HOSPITAL SCHIZOPHRENIC PATIENT. The Tresholds, 1153 North Dearborn St., Chicago, IL 60610; Jerry Dincin.

To evaluate the effectiveness of *placement* of ex-mental patients in *protected employment situations* as a *transition* to full competitive employment.

RD-1062-P (63-5).* FIVE YEAR FOLLOW-UP OF CHRONIC HOSPITALIZED PATIENTS. Univ. of Vermont College of Medicine, Burlington, VT 05401; George W. Brooks, M.D., and William N. Deane, Ph.D.

To evaluate a long-term mental hospital rehabilitation program by *following* ex-mental patients for *up to 12 years*.

RD-1156-P (63-3).* COORDINATING HOSPITAL AND COMMUNITY WORK ADJUSTMENT SERVICES. Camarillo State Hospital, P.O. Box A, Camarillo, CA 93010; Victor Goertzel, Ph.D.

To demonstrate the effectiveness of a 12-month *transitional* vocational program for mental patients involving *work adjustment experience in a hospital industry* followed by *work evaluation* and conditioning in a *sheltered workshop*.

RD-1186-P (63-1).* PSYCHIATRIC INDEX FOR INTERDISCIPLINARY RESEARCH: A GUIDE TO THE LITERATURE, 1950-1961. Western Reserve Univ., Dept. of Sociology, Cleveland, OH 44106; R. A. Schermerhorn, Ph.D.

To set up a psychiatric *index* listing identifying *interdisciplinary research* on the emotional and social components of illness.

RD-1188-P (64-1).* TO DEVELOP A DEMONSTRATION PROJECT ON THE VOCATIONAL REHABILITATION OF DRUG ADDICTS. Vocational Rehabilitation Division, P.O. Box 1118, Hato Rey, PR 00919; Domingo Collazo.

To plan a demonstration which will apply vocational rehabilitation techniques in the rehabilitation of *drug addicts*.

RD-1216-P (64-5).* A VOCATIONAL DEVELOPMENT PROGRAM FOR EMOTIONALLY DISTURBED ADOLESCENTS. Jewish Vocational Service, One South Franklin St. Chicago, IL 66601; William Gellman, Ph.D.

To evaluate the effectiveness of *work experience* for emotionally disturbed *adolescents* and to identify those factors which influence vocational, social, and personal growth.

RD-1243-P (63-5).* EMOTIONAL CORRELATES OF VOCATIONAL REHABILITATION. The Menninger Foundation, Box 829, Topeka, KS 67201; William H. Key, Ph.D.

To study the *impact of urban relocation* on the vocational adjustment of emotionally disturbed persons and to *identify* those *services* which *reducee vocational maladjustment*.

RD-1258-P (64-3).* BOARDING HOUSES AS TRANSITIONAL LIVING FACILITIES IN THE REHABILITATION OF PSYCHIATRIC PATIENTS-CLIENTS. Nebraska Psychiatric Inst., Univ. of Nebraska, 602 South 44th Ave., Omaha, NB 68105; Bulent Tunakan, M.D.

To evaluate *community boarding houses* as *transitional* living *facilities* in an integrated treatment and rehabilitation program for psychiatric patients.

RD-1278-P (64-1).* A FIVE-YEAR FOLLOWUP STUDY OF PSYCHIATRIC PATIENTS. Kansas State Univ., Manhattan, KS 66504; E. R. Sinnett, Ph.D.

To evaluate the validity of data gathered during hospitalization in *predicting* the *post-hospital adjustment* of mental patients.

RD-1279-P (64-3).* A PROGRAM FOR THE VOCATIONAL REHABILITATION OF EMOTIONALLY DISTURBED AND BRAIN-INJURED ADOLESCENTS. Board of Cooperative Educational Services, Westchester Co., 546 North Bedford Road, Bedford Hills, NY 10504; Paul Irvine, Ph.D.

To evaluate the effectiveness of a *work-study program* for emotionally disturbed and brain-damaged *adolescents* in a *public school* setting.

RD-1280-P (64-4).* SOUTHMORE HOUSE: USE OF A "HALF-WAY" HOUSE AND INTEGRATED COMMUNITY APPROACHES IN THE POST HOSPITALIZATION/CORRECTIONAL INSTITUTION REHABILITATION OF NARCOTIC ADDICTS. Vocational Guidance Service, 2300 Caroline St., Houston, TX 77004; Frederic Wiener.

To demonstrate and evaluate the effectiveness of a *halfway house* program in the rehabilitation of *drug addicts*.

RD-1281-P (64-3).* PERSONAL ADJUSTMENT TRAINING FOR THE POST-HOSPITALIZED PSYCHIATRIC PATIENT. Fountain House Foundation, 412 West 47th St., New York, NY 10036; James R. Schmidt.

To evaluate the value of *transitional employment activities* for discharged psychiatric patients with poor work histories.

RD-1291-P (64-3).* PSYCHOMOTOR PERFORMANCE, MENTAL DISABILITY AND REHABILITATION. Univ. of Vermont, Burlington, VT 05401; George W. Brooks, M.D., and L. A. Weaver, Jr., Ph.D.

To investigate the applicability of *psychomotor tests* in assessing the *work-readiness* and rehabilitation potential of mental patients.

RD-1326-P (64-3).* REHABILITATION HOUSE - DAY CENTER PROGRAM IN THE VOCATIONAL REHABILITATION OF THE MENTALLY ILL. New Jersey Rehabilitation Comm., Labor and Industry Bldg., John Fitch Plaza, Trenton, NJ 08625; Mrs. Theodora R. Calov.

To demonstrate the effectiveness of *combined halfway house and day-center* programs in the vocational rehabilitation of the mentally ill.

RD-1387-P (64-3).* REHABILITATION OF THE ADULT OFFENDER: VOCATIONAL REHABILITATION SERVICES IN A STATE PENITENTIARY SYSTEM. Vocational Rehabilitation Division, 307 Will Rogers Bldg., State Capitol Complex, Oklahoma City, OK 73105; James A. West.

Development and evaluation of a rehabilitation program for handicapped *inmates* of a *State penitentiary*.

RD-1395-P (64-3).* PATHWAYS TO MENTAL HEALTH: A STUDY OF SHIFTS FROM SICK ROLE TO WELL ROLE BY RESIDENTS OF A HALFWAY HOUSE. The Portals House, 1188 South Bronson Ave., Los Angeles, CA 90019; Herman J. Loether, Ph.D.

Analysis of *role shift* among mental patients in a *halfway house* from the *sick* to the *well* role and evaluation of the relationship of this role change to occupational and social *adjustment*.

RD-1399-P (64-2).* SELF-CONFIDENCE AND THE REHABILITATION OF MENTAL PATIENTS. Univ. of Colorado, Boulder, CO 80304; Victor C. Raimy, Ph.D.

An investigation of mental patients' *concepts* of what *normal activities* they can perform and comparison of concepts with *opinions* of attending professional *personnel* as to *patients' ability to perform these activities*.

RD-1408-P (64-1).* FILM ON VOCATIONAL REHABILITATION OF THE PSYCHIATRIC PATIENT. Mental Health Film Board, 164 East 38th St., New York, NY 10016; Harvey J. Tompkins, M.D.

To produce a *film* dramatizing and disseminating *concepts and techniques* developed on VRA projects for the mentally ill, for *adaptation* to similar settings in *other communities*.

Film. *Full Circle*.

RD-1449-G (64-1).* A REHABILITATION FACILITY IN TRANSITION: A CASE HISTORY OF THE ST. LOUIS HALF-WAY HOUSE. Mental Health Assn. of St. Louis, 724 North Union, St. Louis, MO 63108; Robert O. Muether.

To demonstrate a model for the development of *volunteer community* support of a rehabilitation *halfway* house.

RD-1453-G (65-5).* INDUSTRIAL REHABILITATION OF THE MENTALLY ILL IN A UNION POPULATION. Sidney Hillman Health Center, 16 East 16th St., New York, NY 10003; Hyman J. Weiner.

To provide and evaluate a vocational rehabilitation program for the *mentally ill* among a *labor union population*.

RD-1457-G (64-4).* AN INTERAGENCY APPROACH TO THE VOCATIONAL REHABILITATION OF INSTITUTIONALIZED EMOTIONALLY DISABLED INDIVIDUALS. Univ. of Kansas, Lawrence, KS 66045; Richard Rundquist and James Armatas.

To demonstrate rehabilitation of emotionally disabled *institutionalized individuals* by an *interagency team*.

RD-1471-P (64-1).* DIRECTORY OF SHELTERED WORKSHOPS SERVING THE EMOTIONALLY DISTURBED. Altro Health and Rehabilitation Services, 373 Park Ave. South, New York, NY 10016; Harold M. Kase, Ed.D.

A survey of the extent and variety of *work-centered therapeutic and rehabilitation programs* for the mentally ill and emotionally disturbed in the U.S.

RD-1476-P (64-3).* SEVERELY DISTURBED ADOLESCENTS: AN EXPLORATION INTO ESTABLISHING AND MAINTAINING A THERAPEUTIC WORKSHOP. Technoma Workshop, 6 Brownell St., Pittsburgh, PA 15232; John F. Muldoon, Ph.D.

To estalish a *day-care center* and program for the rehabilitation or partial rehabilitation of emotionally disturbed *adolescents*.

RD-1510-G (64-1).* REFERENCE GROUPS AND SELF CONCEPTS AS FACTORS IN EDUCATIONAL AND VOCATIONAL PROBLEMS OF YOUTH. Univ. of Oklahoma Research Inst., Norman, OK 73069; Muzafer Sherif, Ph.D.

Exploratory research on *reference groups and self-concepts* as factors in vocational and educational problems of emotionally maladjusted *youth*.

RD-1555-G (65-3).* PSYCHIATRIC FOLLOW-UP STUDY. Dept. of Rehabilitation, 1500 Fifth St., Sacramento, CA 95814; James A. Walker.

A *followup study* of *psychiatric* clients.

RD-1586-P (64-1).* SOCIAL-PSYCHOLOGICAL REHABILITATION IN MENTAL HEALTH PROBLEMS. Greater Kansas City Mental Health Foundation, 2200 McCoy St., Kansas City, MO 64108; William B. Eddy, Ph.D., and Donald D. Glad, Ph.D.

To investigate the *rehabilitation* and *reintegration* into *work adjustment* of *ex-patients* following mental health problems. See also RD-1883.

RD-1623-P (64-1).* A CROSS CULTURAL STUDY OF VOCATIONALLY HANDICAPPED YOUTH. Univ. of Notre Dame, Notre Dame, IN 46556; Bernard Lander, Ph.D.

To plan a *cross-cultural study of vocationally handicapped youth* in Chicago, Washington, D.C., and New York City who are addicted to narcotics. See also RD-1945.

RD-1742-P (65-1).* REHABILITATION HALFWAY HOUSE IN A UNIVERSITY SETTING. Student Counseling Center, Kansas State Univ., Manhattan, KS 66504; E. Robert Stinnett, Ph.D., and Walter S. Friesen, Ed.D.

To plan for the establishment of a rehabilitation *halfway house for emotionally disturbed students* in a university setting. See also RD-2053.

RD-1753-P (65-1).* BODY TRAINING TOWARD SELF ESTEEM AND EMPLOYABILITY OF ADOLESCENTS. St. John's Hospital Research Foundation, 1328 22nd St., Santa Barbara, CA 93101; Thomas W. Richards, Ph.D., and Mrs. Evelyn Loewendahl.

To plan a research study of the effectiveness of physical conditioning on the *adolescent's self-concept* and on *employability*.

RD-1813-P (65-2).* RECALL POPULATION DISTRIBUTIONS: PROCEDURAL DEVELOPMENT AND COMPARISONS OF BEHAVIORAL AND NONBEHAVIORAL PROBLEM ADOLESCENTS. Univ. of Oregon, Eugene, OR 97403; John E. deJung, Ph.D.

A basic research to (1) study how *adolescents* develop and organize behavioral patterns; (2) predict future behavior; (3) facilitate understanding and remediation of undesired behavioral patterns.

RD-1832-G (65-1).* VOCATIONAL REHABILITATION OF MENTALLY DISORDERED OFFENDERS UNDER LAW APPLICABLE IN THE DISTRICT OF COLUMBIA. Washington Center for Metropolitan Studies, 1726 Pennsylvania Ave. N.W., Washington, DC 20006; Gladys A. Harrison.

To *study* existing law and its administration applicable to the District of Columbia affecting criminal law *offenders* who are *mentally retarded* or mentally ill.

RD-1883-P (66-1).* WORK INHIBITION AND REHABILITATION. Part I: *Work Involvement and Self-Perceptions of Ex-Psychiatric Patients--An Exploratory Study*. See RD-2380 for Part II and Part III. Inst. for Community Studies, 2300 Holmes St., Kansas City, MO 64108; William B. Eddy, Ph.D., and Donald D. Glad, Ph.D.

To study the *job adjustment of former mental patients*, based on the proposition that "useful understanding and treatment of work success or failure can be developed by studying dynamic interaction of the ability-need value systems of ex-patients in relation to the social-psychological climates of work situations." See also RD-1586.

IV. MENTAL AND PERSONALITY DISORDERS

RD-1884-P (66-3).* EDUCATIONAL AND VOCATIONAL REHABILITATION OF DISADVANTAGED HANDICAPPED YOUTH. Jewish Employment and Vocational Service, 1213 Walnut St., Philadelphia, PA 19107; Saul S. Leshner, Ph.D.

To demonstrate how *coordinated school and work adjustment center services* can help disadvantaged in-school handicapped youth.

RD-1894-P (66-3).* AUTONOMIC AND PSYCHOMOTOR PARAMETERS OF REHABILITATION POTENTIAL IN THE MENTALLY DISABLED. Univ. of Vermont, Burlington, VT 05401; George W. Brooks, M.D. and Lelon A. Weaver, Jr., Ph.D.

To investigate the relationship between *autonomic nervous system* function and quality of *performance* on a *psychomotor test* battery; specifically, (1) to determine if relationship exists between ANS function and psychomotor performance, and (2) to determine if measures of ANS are usable as a predictive device with *schizophrenic patients*.

RD-1945-P (66-3). A STUDY OF DRUG USE AND VOCATIONAL HANDICAPS. Center for the Study of Man in Contemporary Society, Univ. of Notre Dame, Notre Dame, IN 46556; Bernard Lander, Ph.D.

To analyze, evaluate, and contribute to the development of more effective programs for the *prevention of drug addiction and rehabilitation* of the drug user, *with particular emphasis on vocational training*. See also RD-1623.

RD-2053-P (66-3). REHABILITATION LIVING UNIT IN A UNIVERSITY. Student Counseling Center, Kansas State Univ., Manhattan, KS 66504; E. R. Sinnett, Ph.D., and W. S. Friesen, Ed.D.

To demonstrate the effectiveness of a *special living unit* within a university dormitory setting for the rehabilitation of *students disabled by emotional disturbance*. See also RD-1742.

RD-2054-G (66-1).* RETURN TO THE COMMUNITY OF ALL CHRONIC HOSPITALIZED MENTALLY ILL. Western Inst. for Research in Mental Health, 1255 Post St., San Francisco, CA 94109; H. Richard Lamb, M.D.

To develop research techniques, methodology, and instruments to measure the effectiveness of a *comprehensive and coordinated program* for rehabilitating all *chronic hospitalized mentally ill*. See also RD-2847.

RD-2055-G (66-1).* VOCATIONAL REHABILITATION SERVICES IN COMMUNITY COMPREHENSIVE MENTAL HEALTH. Altro Health and Rehabilitation Services, 373 Park Ave. South, New York, NY 10016; Bertram J. Black.

A planning grant to develop a demonstration of the effectiveness of *vocational rehabilitation services in community comprehensive mental health centers*.

RD-2090-P (66-1).* FOLLOWUP STUDY METHODOLOGY IN DRUG ADDICTION. 2 vols. 1. *Narrative Report*. 2. *Interview Report Supplement*. Texas Christian Univ., Fort Worth, TX 76129; S. B. Sells, Ph.D.

A pilot study of *narcotic addicts* who have been discharged from the hospital to *identify and evaluate community resources* being utilized in their rehabilitation.

RD-2098-P (66-1).* THE EXPERIMENTAL INVESTIGATION OF VARIOUS SOCIAL-PSYCHOLOGICAL AND INTERACTIVE CONDITIONS ON THE WORK BEHAVIOR OF PSYCHIATRICALLY DISABLED AND NORMAL INDIVIDUALS. Horizon House, 1823 Pine St., Philadelphia, PA 19103; Irvin D. Rutman, Ph.D.

A pilot study of *social, psychological, and interactive conditions* on *work behavior* of normal and *psychiatrically disabled* individuals.

RD-2257-P (67-4). MODELING: AN APPROACH TO VOCATIONAL REHABILITATION OF JUVENILE OFFENDERS. Univ. of Washington, Seattle, WA 98103; Irwin G. Sarason, Ph.D.

To investigate the influence of special *modeling* and *identification opportunities* on the behavior of *adolescent delinquent boys*.

RD-2298-P (66-3). PROGRAMMED TRAINING AND PLACEMENT FOR NON-PSYCHOTIC DISTURBED ADOLESCENTS. Rockland State Hospital Research Foundation for Mental Hygiene, Orangeburg, NY 10962; Eliot D. Chapple, Ph.D.

A research of *programmed interaction retraining* of male *adolescents, 16 and over, who have a primary behavior disorder*.

RD-2329-G (67-2).* A FILM SERIES - REHABILITATION OF THE MENTALLY ILL. Chicago Educational Television, 5400 North St. Louis Ave., Chicago, IL 60625; Edward L. Morris.

To develop a series of *films* to be shown on educational television on rehabilitation of the *mentally ill*.

RD-2384-P (67-3). MULTIPLE FAMILY THERAPY OF MENTAL PATIENTS. Research Foundation for Mental Hygiene, Creedmoor State Hospital, 80-45 Winchester Blvd., Jamaica, NY 11427; H. P. Laqueur, M.D.

To study and demonstrate the use of *multiple family therapy* vocational rehabilitation *counseling* and *coordinated hospital services* as a method of rehabilitating *mentally ill* patients.

RD-2540-P (68-1).* "SPRINGBOARD TO MAIN STREET"- A DOCUMENTARY FILM ON HALFWAY HOUSES. Horizon House, 1823 Pine St., Philadelphia, PA 19103; Irvin D. Rutman, Ph.D.

To produce a documentary *film* on halfway houses.

RD-2598-G (67-1). FRAGILE EGOS. Film. WGBH Educational Foundation, 125 Western Ave., Boston MA 02134; Henry Morgenthau III.
To produce the *film* "Fragile Egos."

RD-2657-P (68-3). VOCATIONAL REHABILITATION APPROACH TO HOUSEHOLDS OF FORMER MENTAL PATIENTS. Albert Einstein College of Medicine, Morris Ave. and Eastchester Road, Bronx, NY 10461; Harris B. Peck, M.D.
To *demonstrate and evaluate a vocational rehabilitation program* specifically designed as part of a comprehensive *community mental health center in an economically deprived urban area.*

RD-2680-P (68-1). BEHAVIOR THERAPY IN VOCATIONAL REHABILITATION. Temple Univ. Medical Sch., Broad and Ontario Sts., Philadelphia, PA 19140; Joseph Wolpe, M.D.
A pilot project to develop instruments to test the efficacy of *behavior therapy* as a means of restoring vocational capacity in the *mentally ill.*

RD-2743-P (68-1).* INTERPERSONAL RELATIONS IN PREDICTING AND CONTROLLING REHABILITATION OUTCOME. The Curators of the Univ. of Missouri, Columbia, MO 65201; Uriel G. Foa, Ph.D.
To investigate the feasibility of charting the process of change in a subject's *social relations during rehabilitation* and using data to *predict rehabilitation outcome.*

RD-2824-P (68-3). ROLE INDUCTION AND VICARIOUS LEARNING IN PSYCHOTHERAPY. Vanderbilt Univ., Nashville, TN 37203; Hans H. Strupp, Ph.D.
To develop and test the effectiveness of two sound *film techniques* designed to expedite and facilitate the rehabilitation of patients incapacitated by *neurotic disturbances.*

RD-2842-P (68-1). ATTEMPT TO IDENTIFY PRE-DELINQUENTS FOR COUNSELING. Boston College, Chestnut Hill, MA 02167; William C. Cottle, Ed.D.
To develop a *scale* to identify potential delinquents so efforts can be made by public and private agencies to prevent their delinquency.

RD-3049-P (69-2). PSYCHIATRIC DISABILITY, WORK ADJUSTMENT, AND REHABILITATION. Colorado State Univ., Fort Collins, CO 80521; Eugene R. Oetting, Ph.D., and Charles W. Cole, Ph.D.
To develop methods and instrumentation for *predicting* the posthospital work *adjustment of mental patients.*

RC-9-G (61-1).* THE PICNIC BASKET: A PLAY ABOUT THE VOCATIONAL REHABILITATION OF THE MENTALLY ILL. Family Service Assn. of America, 215 Fourth Ave., New York, NY 10003; Clark W. Blackburn.
To develop an educational and informative *theatrical production* demonstrating the effectiveness of the rehabilitation process in the vocational rehabilitation of the mentally ill. See also RD-2309.

ALCOHOLISM

RD-256 (58-2).* THE ROLE OF VOCATIONAL EVALUATION IN AN ALCOHOLIC REHABILITATION PROGRAM. Univ. of Utah, Salt Lake City, UT 84112; Joseph P. Kesler, M.D.
To study the vocational history of alcoholic patients and to demonstrate the feasibility of *utilizing a rehabilitation center* in the treatment and vocational rehabilitation of alcoholics.

RD-284 (58-3).* POTENTIAL FOR REHABILITATION OF SKID ROW ALCOHOLIC MEN. Volunteers of America of Los Angeles, Inc., 333 South Los Angeles St., Los Angeles, CA 90013; Walter C. Hart.
To demonstrate the employability of a group of chronic alcoholic men through the utilization of a *multidisciplined* professional staff in a *service center.*

RD-403 (59-1).* A STUDY OF THE VOCATIONAL ADJUSTMENT OF TWO CATEGORIES OF PROBLEM DRINKERS AND AN ANALYSIS OF THE PROBLEMS AND POTENTIALITIES OF VOCATIONAL REHABILITATION COUNSELING FOR THESE TWO CATEGORIES. Connecticut Comm. on Alcoholism, 412 Orange St., Room 205, New Haven, CT 06511; D. P. Miller, Ph.D.
To plan a study of the vocational rehabilitation of alcoholics through *evaluation* and analysis of *rehabilitation counseling* and other *services.*

RD-418 (60-3).* THE INCLUSION OF VOCATIONAL COUNSELING IN AN ALCOHOLISM REHABILITATION PROGRAM. National Council on Alcoholism, 2 East 103rd St., New York, NY 10029; Margaret B. Bailey, D.S.W.
A demonstration of the value of *vocational counseling* in a psychiatrically oriented rehabilitation program for alcoholics.

RD-616 (61-5).* ALCOHOLIC REHABILITATION PROJECT: A STUDY OF THE INCREASING REHABILITATION POTENITAL OF THE CHRONIC ALCOHOLIC IN AN "IN-TREATMENT" CENTER. The Salvation Army, Men's Social Service Center, 1500 Valencia St., San Francisco, CA 94110; George W. Duplain.
To demonstrate the effectiveness of a *long-term in-residence* vocationally oriented program, in both *rural* and *urban semicontrolled environments*, for the rehabilitation of selected alcoholics.

RD-640 (61-3).* FLORIDA PROJECT ON VOCATIONAL REHABILITATION OF TREATED ALCOHOLICS. Florida Alcoholic Rehabilitation Program, P.O. Box 1147, Avon Park, FL 33825; James H. Williams, Ph.D.

To analyze and evaluate the *collaborative techniques* used by a *State alcoholism program and State rehabilitation services* in rehabilitating 200 alcoholic patients.

Spec. repts. 1. *The Rehabilitation Outcome of Alcoholic Referrals for Vocational Rehabilitation: A Study of Four Years of Inter-Agency Collaboration in Florida.* Research Reports in Social Science, Vol. 7, No. 1. 2. *Characteristics of an Alcoholic Sample.*

RD-726 (61-3).* CAREER PATTERNS OF ALCOHOLICS. Univ. of California, 405 Hilgard, Los Angeles, CA 90024; Jean S. Felton, M.D.

To study *career patterns* of alcoholics in order to identify the relationship between drinking and vocational adjustment.

RD-1146-P (63-3).* PERSONALITY CHARACTERISTICS OF REHABILITATED AND NON-REHABILITATED ALCOHOLIC, RECIDIVIST PRISONERS IN CALIFORNIA. Univ. of California, Sch. of Public Health, Los Angeles, CA 90024; J.S. Felton, M.D.

To identify and study *personality traits* which differentiate between *alcoholic recidivist prisoners* who return to self-supporting employment and those who are unable to attain this degree of rehabilitation.

RD-1472-P (65-2).* FLORIDA PROJECT ON FOLLOW-UP ADJUSTMENT OF ALCOHOLIC REFERRALS FOR VOCATIONAL REHABILITATION. State of Florida Alcoholic Rehabilitation Program, P.O. Box 1147, Avon Park, FL 33825; James H. Williams, Ph.D.

To assess followup outcome of *alcoholics* receiving collaborative treatment from a State division of vocational rehabilitation.

RD-1611-P (65-3).* REHABILITATION PROGRAMS FOR THE TREATMENT OF HOMELESS ALCOHOLIC MEN. Temple Univ. Philadelphia, PA 19122; Walter Stanger, Ph.D.

To *evaluate* programs for the rehabilitation of *homeless alcoholic men.*

RD-1636-G (64-1).* ALCOHOLICS ARE PEOPLE. Film series. 1. *Roots of Alcoholism.* 2. *Tuesdays at 3:00.* See RD-1701 for films 3-11. Chicago Educational Television Assn., 1761 East Museum Drive, Chicago, IL 60637; Edward L. Morris.

To develop plans for a *series* of educational *television programs* on the problems and treatment of alcoholism and the rehabilitation of *alcoholics.*

RD-1657-P (64-1).* PLANNING A DEMONSTRATION OF COMPREHENSIVE REHABILITATION SERVICES FOR ALCOHOLIC OFFENDERS, AND MEASUREMENT OF RESULTS. Oregon State Board of Control, Mental Health Division, Room 5, State Capitol, Salem, OR 97301; Robert R. Wippel.

To plan a demonstration of *comprehensive* rehabilitation services available for *alcoholic offenders* and to *evaluate* the effects of these services. See also RD-2045.

RD-1701-G (65-1).* ALCOHOLICS ARE PEOPLE. Film series. 3. *Toward Recovery.* 4. *I've Had it.* 5. *Billion Dollar Hangover.* 6. *Alcoholism Makes It Tougher.* 9. *The Not Very 'Merry-Go-Round'.* 10. *Not Yet Alcoholic.* 11. *Where Now?* See RD-1636 for films 1 and 2. Chicago Educational Television Assn., 1761 East Museum Drive, Chicago, IL 60637; Edward L. Morris.

To produce a series of *television programs on alcoholism*, available *treatment facilities*, and *services.*

RD-1755-G (65-3).* ALCOHOLISM REHABILITATION: A FILM PROJECT. Hofstra Univ., 1000 Fulton Ave., Hempstead, NY 11550; Matthew N. Chappell, Ph.D.

A project to produce a series of films for instructors and professional training centers on the subject of *alcoholism rehabilitation.*

Spec. rept. *Study Manual and Guide.*

Film series. The Fifteenth American. 1. *Group Therapy.* 2. *Lay Treatment Procedures.* 3. *Rehabilitation of the Alcoholic Through Individual Therapy.* 4. *The Interdisciplinary Approach to Rehabilitation.* 5. *The Counselor in Various Rehabilitation Settings.* 6. *Case Study.* 7. *A Survey of Rehabilitation.* 8. *It's Up to You.*

RD-2045-G (66-3).* THE ALCOHOLIC OFFENDER. Multnomah Co., Multnomah Co. Courthouse, 104 S.W. Fifth Ave., Portland, OR 97204; Robert R. Wippel.

To study the effectiveness of planned use of *community services* for a select group of *recidivist alcoholic offenders* remanded by the courts. See also RD-1657.

RD-2072-G (67-1).* A FEASIBILITY STUDY FOR VOCATIONAL REHABILITATION OF THE PUBLIC OFFENDER (THE RECIDIVIST MISDEMEANANT). Centenary College of Louisiana, P.O. Box 4188, Centenary Station, Shreveport, LA 71104; W. F. Pledger, Ph.D.

A planning project to determine the feasibility of developing a program of vocational rehabilitation services for *alcoholic municipal public offenders.*

RD-2112-G (66-3).* COMMUNITY SERVICE DEVELOPMENT PROJECT. North Dakota Commission on Alcoholism, State Capitol, Bismarck, ND 58501.

To demonstrate the effectiveness of a *community information, counseling, and referral center for alcoholics.*

RD-2812-P (68-2). REHABILITATION OF CHRONIC MALE ALCOHOLICS. Massachusetts Mental Health Research Corp., 74 Fenwood Road, Boston, MA 02115; William McCourt, M.D.

A project to demonstrate the use of new *community resources* in the vocational rehabilitation and resocialization of *chronic* male *alcoholics*.

SELECTED DEMONSTRATIONS
Work Adjustment Centers for Disabled Persons With Emotional Problems

RD-200 (58-3).* WORK EVALUATION AND ADJUSTMENT OF SERIOUSLY HANDICAPPED PERSONS. The Rehabilitation Inst., 3600 Troost Ave., Kansas City, MO 64901; Mrs. Vivian Shepherd.

RD-275 (58-4).* WORK ADJUSTMENT PROGRAM FOR DISABLED PERSONS WITH EMOTIONAL PROBLEMS. Indianapolis Goodwill Industries, 215 South Senate Ave. Indianapolis, IN 46225; Paul A. Schmidt.

RD-306 (58-5).* A WORKSHOP REHABILITATION PROGRAM FOR PERSONS WITH EMOTIONAL AND MENTAL DISABILITIES. Jewish Vocational Service, 2905 Vernon Place, Cincinnati OH 45219; L. Oseas, Ph.D.

RD-313 (58-4).* OCCUPATIONAL ADJUSTMENT CENTER FOR PERSONS WITH MENTAL RETARDATION, EMOTIONAL AND OTHER PHYSICAL DISABILITIES. Opportunity Center, 3010 Bellevue Ave., Wilmington, DE 19802; Bart A. Milano.

RD-355 (59-3).* A WORK ADJUSTMENT CENTER FOR DISABLED PERSONS WITH EMOTIONAL PROBLEMS. Jewish Employment and Vocational Service, 1213 Walnut St., Philadelphia, PA 19107; S. S. Leshner, Ph.D.

RD-500 (60-4).* BUILDING BETTER LIVES: A WORK ADJUSTMENT CENTER FOR PERSONS WITH EMOTIONAL PROBLEMS. The Rehabilitation Center, 3701 Bellemeade Ave., Evansville, IN 47715; S. B. Mitos, Ph.D.

RD-553 (61-4).* A WORK ADJUSTMENT CENTER FOR DISABLED PERSONS WITH EMOTIONAL PROBLEMS. United Community Fund of San Francisco, 2015 Steiner St., San Francisco, CA 94115; Isadore Salkind.

RD-675 (51-3).* A WORK ADJUSTMENT CENTER FOR DISABLED PERSONS WITH EMOTIONAL PROBLEMS. Goodwill Industries of El Paso, 5301 El Paso Drive, El Paso, TX 79905; Ernest W. Tremayne.

RD-873-G (62-3).* ESTABLISHMENT OF A VOCATIONAL EVALUATION - WORK ADJUSTMENT UNIT. Springfield Goodwill Industries, 139 Lyman St., Springfield, MA 01103; Paul E. Affleck.

RD-940-G (62-3).* THE OPERATIONS AND RESULTS OF THE ALBUQUERQUE VOCATIONAL CLINIC. New Mexico Rehabilitation Center, 1023 Stanford Drive N.E., Albuquerque, NM 87110; Arthur Osterholm.

RD-1040-G (63-3).* A WORK ADJUSTMENT PROJECT FOR DISABLED PERSONS WITH EMOTIONAL PROBLEMS. Vocational Guidance and Rehabilitation Services, 2239 East 55th St., Cleveland, OH 44103; J. L. Campbell.

RD-1254-G (64-3).* EVALUATION AND ADJUSTMENT CENTER FOR THE EMOTIONALLY DISTURBED. Tacoma Goodwill Industries, 2356 Tacoma Ave. South, Tacoma, WA 98402; Lester W. Daniels.

RD-1694-G (65-3).* WORK ADJUSTMENT CENTER FOR DISABLED PERSONS WITH EMOTIONAL PROBLEMS. Goodwill Industries of Atlanta, 15 Courtland St., Atlanta, GA 30303; Clifford E. Wright.

SELECTED DEMONSTRATIONS
Rehabilitation (Halfway House) Program for Persons Recovering From Mental Illness

RD-566 (60-3).* THE STEPPING STONE: A REPORT OF RESIDENTIAL REHABILITATION HOUSES FOR THE MENTALLY ILL. Kentucky Bureau of Rehabilitation Services, State Office Bldg., High St., Frankfort, KY 40601; Leon Meenach.

RD-571 (60-3).* A REHABILITATION PROGRAM FOR THE MENTALLY ILL: THE REHABILITATION HOUSES. State Board of Vocational Education, Division of Vocational Rehabilitation, State Capitol Bldg. Room W-400, Charleston, WV 25305; C. L. Williams.

RD-630 (61-3).* REHABILITATION HOUSE FOR EMPLOYABLE PSYCHIATRIC PATIENTS. St. Louis State Hospital, 5400 Arsenal St., St. Louis, MO 63139; A. G. Ossorio, Ph.D., and Brockman Schumacher.

RD-1039-P (63-3).* THE GUTMAN HOUSE REPORT: A REHABILITATION HOUSE FOR EX-MENTAL HOSPITAL PATIENTS. Mental Health Assn. of Oregon, 427 S.W. 11th Ave., Portland, OR 97205; C.F. Feike.

RD-1043-P (63-3).* HALFWAY HOUSE FOR SAN ANTONIO. Mental Health Assn. of Bexar Co., 117 Ave. A, San Antonio, TX 78215; Mrs. Lee Otto Wall.

RD-1205-P (64-3).* GATEWAY HOUSE: A REPORT OF A RESIDENTAL REHABILITATION HOUSE FOR THE MENTALLY ILL. Mental Health Assn. of Racine Co., 221 Sixth St., Racine, WI 53402; Gorham Rasmussen.

RD-1255-P (64-3).* TO BRIDGE THE GULF: A HALFWAY HOUSE FOR FORMER MENTAL PATIENTS. Mental Health Assn. of Duval Co., 237 West Forsyth St., Jacksonville, FL 32202; Stanley E. Taylor.

IV. MENTAL AND PERSONALITY DISORDERS

RD-1501-P (64-3).* ON THE ROAD TO RECOVERY. Louisiana Assn. for Mental Health, 1528 Jackson Ave., New Orleans, LA 70130; Mabel B. Palmer.

RD-1543-P (65-3).* REHABILITATION HOUSE PROGRAM FOR THE VOCATIONAL REHABILITATION OF THE MENTALLY ILL. Dane Co. Assn. for Mental Health, 406 North Pinckney St., Madison, WI 53703; Clifford M. Hutchinson.

RD-1615-P (65-3).* A REHABILITATION HOUSE FOR THE MENTALLY ILL. Tennessee Dept. of Mental Health, 300 Cordell Hull Bldg., Nashville, TN 37219; C. Stanley Greene.

RD-1617-P (65-3).* THE ATLANTA REHABILITATION RESIDENCE PROGRAM: HALFWAY HOUSES FOR PERSONS RECOVERING FROM MENTAL ILLNESS. Division of Vocational Rehabilitation, 129 State Office Bldg., Atlanta, GA 30334; W. L. Tomlinson.

V. MENTAL RETARDATION

RD-20 (55-5).* WORKING FOR MATURITY: SPECIALIZED REHABILITATION TRAINING FOR MENTALLY RETARDED YOUNG ADULTS. Assn. for the Help of Retarded Children, N.Y.C. Chapter, 380 Second Ave., New York, NY 10010; Max Dubrow, Ph.D.

To demonstrate that special sheltered *workshop training* can rehabilitate mentally retarded *young adults* previously considered unemployable. See also RD-211.

RD-50 (56-3).* HABILITATION OF MENTALLY RETARDED YOUTH. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33607; Robert Ferguson.

To evaluate the potential for vocational rehabilitation of mentally retarded *youths* with muscular, orthopedic, and emotional impairments, through *workshop and other types of training*.

RD-222 (58-1).* DEVELOPMENT OF A SYSTEM OF JOB ACTIVITY ELEMENTS FOR THE MENTALLY RETARDED. American Inst. for Research, 410 Amberson Ave., Pittsburgh, PA 15232; R. O. Peterson, Ph.D.

To develop a system for *analyzing activity elements of jobs* available to the mentally retarded as a basis for their vocational training and rehabilitation.

Spec. rept. *Guide to Jobs for the Mentally Retarded--Handbook and Job Requirements Profile.*

RD-330 (59-3).* ADJUSTMENT OF THE RETARDED. Connecticut Assn. for Retarded Children, 29 Pearl St., Hartford, CT 06457; Ann Switzer.

To investigate certain job factors, personal characteristics, and educational experiences of *adult* retardates discharged from institutional and community facilities in relation to their *vocational and social adjustment.*

Spec. rept. *Operation Connecticut.*

RD-383 (59-4).* EMPLOYER, PARENT AND TRAINEE ATTITUDES TOWARD THE REHABILITATION OF THE MENTALLY RETARDED. The Woods Schools, Langhorne, PA 19047; Mrs. Dorly D. Wang.

To study employer, parent, and trainee *attitudes* affecting the employability of the mentally retarded (IQ 50-69).

RD-404 (59-4).* AN EVALUATION STUDY AND DEMONSTRATION WORK EXPERIENCE FOR THE MENTALLY RETARDED DURING THEIR LAST YEAR IN PUBLIC SCHOOL. Jewish Vocational Service, 207 East Buffalo St., Milwaukee, WI 53202; Michael M. Galazan.

To demonstrate and evaluate a *cooperative* program of *academic school* work and concurrent *work experience* in the vocational rehabilitation of mentally retarded *high school youth* during their senior year.

RD-417 (59-4).* THE VOCATIONAL REHABILITATION OF RETARDED, BRAIN-INJURED YOUTH IN A RURAL REGIONAL CENTER. The George Everett Partridge Memorial Foundation, P.O. Box 67, Springfield, VA 22150; Marvin Patterson, Ph.D.

To demonstrate the feasibility of *on-the-job training* in a *rural residential center* followed by vocational placement and appropriate followup services, contrasting the training methods for brain injured to those used with non-brain injured mentally retarded.

RD-419 (60-3).* PREDICTING VOCATIONAL CAPACITY OF RETARDED YOUNG ADULTS. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33614; C. M. Pinkard, Jr., Ph.D.

To develop, validate, and standardize *a scale to assess the training potential* of mentally retarded *youth*.

RD-425 (59-4).* EVALUATING AND DEVELOPING VOCATIONAL POTENTIAL OF INSTITUTIONALIZED RETARDED ADOLESCENTS. Edward R. Johnstone Training and Research Center, Bordentown, NJ 08505; Joseph J. Parnicky, Ph.D.

To develop techniques for *predicting students' performance* at various levels in an evaluation, training, and vocational placement program for mentally retarded *youth* in a *State institution.*

RD-451 (60-3).* STUDY OF THE EFFECTS OF SPECIAL TRAINING PROCEDURES UPON THE EFFICIENCY WITH WHICH MENTALLY RETARDED PEOPLE WILL LEARN VOCATIONAL SKILLS. Univ. of Colorado, Boulder, CO 80304; M. P. Smith, Ph.D.

To study the effects of *special training procedures* upon the efficiency with which mentally retarded youth will learn vocational skills.

RD-470 (60-3).* HALFWAY HOUSE FOR MENTALLY RETARDED MEN. Illinois Dept. of Mental Health, 2449 West Washington Blvd., Springfield, IL 62707; Arthur A. Wolonstein, M.D.

To demonstrate the effectiveness of a transitional home *halfway house* providing personal and vocational adjustment training in the vocational rehabilitation of mentally retarded *men*.

RD-517 (60-1).* PLANNING STUDY FOR VOCATIONAL REHABILITATION OF THE MENTALLY RETARDED IN KANSAS NEUROLOGICAL INSTITUTE. Kansas Neurological Inst., 3107 West 21st St., Topeka, KS 66614; C. C. Vickery, M.D.

To assess the vocational rehabilitation *services needed in a newly established State facility* for the mentally retarded and to determine the feasibility of a *coordinated statewide program* for the retarded.

RD-537 (60-1).* DEVELOPMENT OF A STATE-WIDE PROGRAM FOR THE VOCATIONAL REHABILITATION OF THE MENTALLY RETARDED. State Division of Vocational

Rehabilitation, 112 California Ave., Charleston, WV 25311; D. P. Rogers, Ph.D.

To plan an intensive *statewide* vocational rehabilitation *program* for the mentally retarded based upon a thorough *analysis of needs*, assessment of existing services, and development of new resources.

RD-568 (60-5).* DEVELOPMENT OF OPTIMUM VOCATIONAL POTENTIAL OF YOUNG MENTALLY RETARDED ADULTS IN A SHELTERED WORKSHOP PROGRAM. Assn. for the Help of Retarded Children, N.Y.C. Chapter, 380 Second Ave., New York, NY 14301; Max Dubrow, Ph.D.

To develop more effective *techniques for evaluating and training young* mentally retarded *adults* to attain optimum sheltered or competitive vocational potential.

RD-581 (60-1).* REHABILITATION AND RESEARCH IN RETARDATION. Southern Methodist Univ., Dallas, TX 75222: Barry Holton.

To conduct a *conference* of investigators engaged in OVR research and demonstration projects in the field of mental retardation to advance research methods and develop additional research opportunities.

RD-603 (61-3).* PERSONALITY AND ABILITY IN THE LOWER INTELLECTUAL RANGE: A STUDY OF ASSESSMENT METHODS. Univ. of Washington, Public Opinion Laboratory, Seattle, WA 98105; J. B. Taylor, Ph.D.

To investigate the influence of a number of social, vocational, familial, and personal variables on the *work adjustment* and rehabilitation potential of the mentally retarded.

RD-655 (61-1).* A CONNECTICUT COMMUNITY REVISITED: A STUDY OF THE SOCIAL ADJUSTMENT OF A GROUP OF MENTALLY DEFICIENT ADULTS IN 1948 and 1960. Connecticut College, New London, CT 06320; R. J. Kennedy, Ph.D.

To study the personal, social, and economic *adjustment* of selected *noninstitutionalized* mentally retarded *adults*.

RD-681 (61-3).* RETARDED YOUTH: THEIR SCHOOL-REHABILITATION NEEDS. Minneapolis Public Schools, 807 Northeast Broadway, Minneapolis, MN 55413; E.D. Deno, Ph.D.

To develop facilities and techniques for giving *vocational evaluation, training, and on-job experience* to educable mentally retarded youth during the last year of *high school*.

RD-730 (61-1).* A GUIDE FOR FUNCTIONAL TEACHINGS OF MENTALLY RETARDED CHILDREN. Univ. of Colorado, Boulder, CO 80304; Maurice P. Smith, Ph.D.

To study, record, analyze, and report methods which have been used successfully in the *vocational training* of lower level mentally retarded people.

RD-836-P (62-3).* VOCATIONAL REHABILITATION FOR MENTALLY RETARDED PUPIL-CLIENTS. Georgia Division of Vocational Rehabilitation, 129 State Office Bldg., Atlanta, GA 30334; A. P. Jarrell.

A demonstration to assist secondary schools of Georgia in meeting the vocational needs of mentally retarded *adolescents* through *coordination* of rehabilitation, educational, and local *community resources*.

RD-842-G (62-3).* SPECIAL CLASS CURRICULUM AND ENVIRONMENT AND VOCATIONAL REHABILITATION OF MENTALLY RETARDED YOUNG ADULTS. Univ. of Alabama, University, AL 35501; Jasper Harvey, Ph.D.

To develop and evaluate, through *followup, vocational training* procedures for mentally retarded *youth* within several rehabilitation facilities in cooperation with local school systems and other educational and rehabilitation resources.

RD-861-P (61-1).* THE MENTALLY RETARDED AND THEIR VOCATIONAL REHABILITATION: A RESOURCE HANDBOOK. Natl. Assn. for Retarded Children, 386 Park Ave. South, New York, NY 10016; William A. Fraenkel, Ph.D.

To assist in making available selected technical *material* for use in the *vocational rehabilitation* of the mentally retarded.

RD-902-P (62-3).* INDEPENDENT LIVING REHABILITATION PROGRAM FOR SERIOUSLY HANDICAPPED MENTALLY RETARDED ADULTS. Commercial ed. *The Retarded Adult in the Community*. Aid Retarded Children, 1362 9th Ave., San Francisco, CA 94122; Elias Katz, Ph.D.

To demonstrate a program of services to *adult* mentally retarded, necessary to achieve greater competence in *independent living*; work and personal adjustment training are included.

RD-957-P (62-3).* OUT OF THE SHADOWS: A PROGRAM OF EVALUATION AND PREVOCATIONAL TRAINING FOR MENTALLY RETARDED YOUNG ADULT FEMALES. West Virginia Division of Vocational Rehabilitation, State Board of Vocational Education, Charleston, WV 25112; William R. Phelps.

A *statewide* demonstration for the vocational rehabilitation of the mentally retarded, consisting of a *residential training* program followed by maximum utilization of *coordinated public and private resources*.

RD-981-P (63-3).* THE KENT OCCUPATIONAL EDUCATION AND TRAINING CENTER. Kent Co. Board of Education, 316-318 Ottawa Ave. N.W., Grand

Rapids, MI 49502; R. J. Van Hattum, Ph.D.
To demonstrate the feasibility and value of combining many *small school districts* within a community into a cooperative centralized program to meet the needs of high school educable retardates.

RD-987-P (62-3).* THE OCCUPATIONAL SUCCESS OF THE RETARDED: CRITICAL FACTORS, PREDICTIVE TESTS AND REMEDIAL TECHNIQUES. Laradon Hall Society, East 51st Ave. and Lincoln St., Denver, CO 80216; Alfred H. Gallagher.
To analyze mental levels of retarded *young adults* and on this basis construct a *test battery* for *prediction of employability*; to develop training procedures to remedy vocational defects.

RD-989-P (63-2).* A COMPARISON OF THREE APPROACHES TO GROUP COUNSELING INVOLVING MOTION PICTURES WITH MENTALLY RETARDED YOUNG ADULTS. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33607; C. M. Pinkard, Jr., Ph.D.
To evaluate a *motion picture training* technique for promoting social development in mentally retarded *young adults*.
Film. *Training for Tomorrow*.

RD-991-P (62-1).* MID-LIFE ATTAINMENT OF THE MENTALLY RETARDED: A LONGITUDINAL STUDY. Univ. of Nebraska, Lincoln, NB 68508; Warren R. Baller, Ph.D.
To *followup* retardates tested 25 or more years previously and determine experience associated with good or poor *adjustment in midlife*.

RD-993-P (63-3).* AUTOMATION IN VOCATIONAL TRAINING OF THE MENTALLY RETARDED. The Devereux Foundation, Devon, PA 19333; Henry Platt, Ph.D. and Louis Kukoda.
To develop and evaluate the effectiveness of *automated instruction* as a method of vocational training with *mentally retarded* or *emotionally disturbed adolescents*.

RD-1036-G (62-3).* EMPLOYMENT OF THE MENTALLY RETARDED IN A COMPETITIVE INDUSTRIAL SETTING. Human Resources Foundation, Albertson, NY 11507; Leonard S. Blackman, Ph.D.
To develop and test methods of *training* the mentally retarded for effective *employment in a competitive industrial setting*.

RD-1059-P (62-3).* PERSONALITY MEASUREMENT WITH MENTALLY RETARDED AND OTHER SUB-CULTURAL ADULTS: A PERSONALITY TEST FOR PERSONS OF LIMITED READING SKILLS. Alabama Inst. for Deaf and Blind, P.O. Box 268, Talladega, AL 35106; Herbert W. Eber, Ph.D.
To develop a *personality test* for mentally retarded and for normally intelligent but illiterate or poorly educated *adults*.

RD-1067-P (63-3).* INCREASING PARENTAL CONTRIBUTION TO WORK ADJUSTMENT FOR THE RETARDED. United Assn. for Retarded Children, 207 East Buffalo St., Milwaukee, WI 53202; George Prentice.
To develop methods of increasing *parental participation* and effectiveness in *vocational training* of retarded adolescents and *young adults*.

RD-1075-P (63-3). THE EFFICACY OF A PREVOCATIONAL CURRICULUM AND SERVICES DESIGNED TO REHABILITATE SLOW LEARNERS WHO ARE SCHOOL DROP OUT, DELINQUENCY, AND UNEMPLOYMENT PRONE. Champaign Community Schools, 703 South New St., Champaign, IL 61822; Merle B. Karnes, Ph.D.
To test the effectiveness of a *prevocational curriculum and progressive work experience for slow learners* (IQ 75-90) in preventing school dropouts, delinquency, and unemployment.

RD-1158-P (63-2).* THE SUCCESSFUL RETARDATE. Dept. of Education, Commonwealth of Puerto Rico, Hato Rey, PR 00919; C. Albizu-Miranda, Ph.D.
To study vocationally successful mentally retarded persons in order to identify various *psychological processes related to success*.
Spec. rept. *List of Occupations Requiring No More Than a Below-Average Intelligence*.

RD-1189-P (63-4).* A COOPERATIVE VOCATIONAL PATTERN FOR IN-SCHOOL MENTALLY RETARDED YOUTH. Occupational Center of Essex Co., 29 South 6th St., Newark, NJ 07107; Arthur Bierman.
To demonstrate the effectiveness of a comprehensive vocational rehabilitation program for mentally retarded *high school youth* in which a *public school, State* vocational rehabilitation agency, and *sheltered workshop* provide *coordinated services*.

RD-1200-P (63-1).* PLANNING GRANT FOR DEMONSTRATION PROJECT TO DEMONSTRATE COMPREHENSIVE COMMUNITY-BASED SERVICES FOR THE RETARDED. Parents and Friends of Mentally Retarded Children of Bridgeport, 415 Knowlton St., Bridgeport, CT 06608; Maurice Mezoff.
To plan a demonstration which will utilize *total community resources* in order to provide a program of comprehensive rehabilitation services to all mentally retarded. See also RD-1435.

RD-1221-P (64-3).* STANDARDIZATION OF THE VOCATIONAL INTEREST AND SOPHISTICATION ASSESSMENT (VISA): A READING-FREE TEST FOR RETARDATES. Edward R. Johnstone Training and Research Center,

Bordentown, NJ 08505; Joseph J. Parnicky, Ph.D.
To determine the reliability and validity of *a vocational interest and sophistication assessment scale* (VISA) developed by the Center.
Spec. rept. *Vocational Interest and Sophistication Assessment: Manual.*

RD-1222-P (64-3).* A STUDY OF THE JOHNSTONE COMMUNITY HOUSE FOR EDUCABLE YOUNG MEN. Edward R. Johnstone Training and Research Center, Bordentown, NJ 08505; Joseph J. Parnicky, Ph.D.
To develop a *halfway house* program for the retarded for transition from institutional life to increased independence and responsibility.

RD-1275-P (64-4).* A TRANSITIONAL PROGRAM FOR INSTITUTIONALIZED ADULT RETARDED. Elwyn Inst., Elwyn, PA 19063; Gerald R. Clark, M.D.
A demonstration and evaluation of *comprehensive* diagnostic, training, placement, and adjustment *services*, beginning *within the institution* and continuing *extramurally*, to prepare retardates for *independent community living.*
Spec. rept. *Guide to the Community.* 3 vols.

RD-1290-P (64-2).* MENTAL RETARDATION: A PROGRAMMED MANUAL FOR VOLUNTEER WORKERS. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33607; Alden S. Gilmore and Thomas A. Rich, Ph.D.
To develop and test *programmed training materials* for use in orientation and *instruction of volunteers* working with the retarded.

RD-1319-G (64-1).* THE UTILIZATION AND DESIGN OF PHYSICAL FACILITIES FOR THE REHABILITATION OF MENTALLY RETARDED. Parsons State Hospital and Training Center, 2601 Gabriel St., Parson, KS 67357; Howard V. Bair, M.D.
To determine the most effective use of *staff and facilities in a multidisciplinary* rehabilitation *center* for the retarded.

RD-1331-G (64-5). A STRUCTURED COMMUNITY APPROACH TO COMPLETE SERVICES FOR THE RETARDED. Jewish Vocational Service, 207 East Buffalo St., Milwaukee, WI 53202; Mrs. Patricia J. Bertrand.
To demonstrate an *organized community approach* to complete rehabilitation services for the mentally retarded.

RD-1385-P (64-3).* SATELLITE WORKSHOPS ON EXTENSIONS OF A CENTRAL VOCATIONAL REHABILITATION PROGRAM. Assn. for the Help of Retarded Children, N.Y.C. Chapter, 380 Second Ave. South, New York, NY 10010; Max Dubrow, Ph.D.
To demonstrate *satellite sheltered workshops* around an existing facility to provide employment for mentally retarded.

RD-1388-P (64-3).* SOCIAL INFERENCE TRAINING OF RETARDED ADOLESCENTS AT THE PRE-VOCATIONAL LEVEL. Univ. of Kansas Medical Center, 39th and Rainbow, Kansas City, KS 66103; Dr. Ethel Leach and Mrs. Barbara Edmonson.
To develop a method of *testing and training the social insight* of mentally retarded *youth*, increasing their awareness of relevant social cues and appropriate responses, in order to extend their social adjustability in vocational and community living.
Spec. rept. *Social Perceptual Training for Community Living: Pre-Vocational Units for Retarded Youth.*

RD-1391-P (64-1).* THE INFLUENCE OF OCCUPATIONAL INFORMATION COUNSELING ON THE REALISM OF OCCUPATIONAL ASPIRATIONS OF MENTALLY RETARDED HIGH SCHOOL BOYS. College of Education, Univ. of Nevada, Reno, NV 89507; George A. Jeffs, Ed.D.
Effectiveness of *occupational counseling* upon mentally retarded *high school boys'* level of occupational *aspirations* and realism of occupational *goals.*

RD-1394-P (64-3).* AN ASSESSMENT OF VOCATIONAL REALISM OF HIGH SCHOOL AND POST-HIGH SCHOOL EDUCABLE MENTALLY RETARDED ADOLESCENTS. Exceptional Children's Foundation, 2225 West Adams Blvd., Los Angeles, CA 90018; Molly C. Gorelick, Ed.D.
To measure the degree of *realism of vocational plans* of mentally retarded *adolescents* in their last year of *school* and to determine what training and guidance procedures facilitate vocational realism.

RD-1435-G (64-5). ON THE PURSUIT OF CHANGE. Monographs 1-- . 1. Day Camping and Leisure Time Recreation Activities for the Mentally Retarded. 2. Experiences of Former Special Class Students and an Educational Work/Experience Program for Secondary School Educable Mentally Retarded Students. Parents and Friends of Mentally Retarded Children of Bridgeport, 1135 William St., Bridgeport, CT 06606; Maurice Mezoff.
To demonstrate the development of *comprehensive community services* to provide a spectrum of opportunity for the retarded. See also RD-1200.
Spec. rept. *Follow-up Study on Clients Seen by the Kennedy Center Diagnostic Clinic.*

RD-1465-P (64-5).* TRAINING MENTAL RETARDATES WITH SEVERE DEFECTS FOR A PRODUCTIVE OCCUPATION. Laradon Hall Society, East 51st Ave. and Lincoln St., Denver, CO 80216; F. William Happ, Ph.D.
An investigation of *prevocational* and vocational methods of rehabilitating individuals with severe mental retardation for eventual *em-*

ployment in the *community* or in a *sheltered workshop*.

RD-1500-G (64-1).* A STUDY OF THE RELATION OF PARENTAL ATTITUDES TO THE PROGRESS OF RETARDED CHILDREN IN A REGIONAL CENTER. Univ. of Hartford, P.O. Box 1948, Hartford, CT 06117; David D. Komisar, Ph.D.

To plan a study of the relation of *parental attitudes to progress of retarded children* in a regional center. See also RD-1816.

RD-1535-G (64-1).* TO PLAN FOR COORDINATED COMMUNITY SERVICES TO THE MENTALLY RETARDED. San Francisco Coordinating Council on Mental Retardation, 1600 Scott St., San Francisco, CA 94115; Mary Duran.

To plan a *comprehensive community organizational approach* to providing a continuum of care for the mentally retarded. See also RD-1929.

RD-1550-G (65-2).* PLANNING WORKSHOPS FOR THE RETARDED IN OHIO. Ohio Assn. for Retarded Children, 131 East State St., Columbus, OH 43215; Bernard F. Niehm.

To prepare guidelines for *statewide* and *local workshop services* for *retarded* youth and adults in Ohio.

RD-1556-G (65-3).* THE RELATIONSHIP BETWEEN ORGANIZATIONAL FACTORS AND THE ACCEPTANCE OF NEW REHABILITATION PROGRAMS IN MENTAL RETARDATION. Univ. of Wisconsin, Madison, WI 53706; Michael T. Aiken.

To study the *relationship and process* in welfare agencies beween *organizational factors* and acceptance of new *programs* on mental retardation.

RD-1561-G (65-3).* COORDINATION OF WORKSHOPS FOR THE MENTALLY RETARDED IN A METROPOLITAN AND SUBURBAN AREA. Exceptional Children's Foundation, 2225 West Adams Blvd., Los Angeles, CA 90018; Robert D. Shushan.

To demonstrate the role of a system of *coordinated (satellite) workshops* for the mentally retarded in a *metropolitan* and *suburban* area.

RD-1588-P (65-1).* TO DEVELOP WORK EVALUATION AND WORK TRAINING TECHNIQUES DESIGNED TO FACILITATE THE ENTRY OF MILDLY MENTALLY RETARDED INTO SERVICE OCCUPATIONS. Inst. for Crippled and Disabled, 400 First Ave., New York, NY 10010; James N. Burrows.

To plan a *training* program to facilitate the entry of the mildly *mentally retarded* into *service occupations*.

RD-1589-P (65-3).* DEPERSONALIZATION STOPS HERE! A PLACEMENT-ORIENTED SPECIAL WORK ADJUSTMENT PROGRAM FOR MENTALLY RETARDED ADOLESCENTS AND YOUNG ADULTS WITH A HISTORY OF SCHOOL DROP-OUT. Federation of the Handicapped, 211 West 14th St., New York, NY 10011; Milton Cohen.

To demonstrate the effectiveness of a *placement oriented work adjustment* program for *adolescents* with a history of *school dropout*.

RD-1602-P (65-1).* VOCATIONAL REHABILITATION OF PHYSICALLY HANDICAPPED AND/OR MENTALLY HANDICAPPED YOUTH BEING SERVED BY A SPECIAL YOUTH OPPORTUNITY CENTER. Lane Co. Youth Study Board, 1901 Garden Ave., Eugene, OR 97403; Edgar W. Brewer.

To provide comprehensive vocational rehabilitation services to *physically or mentally* handicapped *youths*.

RD-1604-G (65-3).* OUT-PLANT SUPERVISED JANITORIAL SERVICE EMPLOYING THE MENTALLY RETARDED. Services, Inc., 10241 Main St., Bellevue, WA 98004; Larry Hindman.

To demonstrate the feasibility of *supervised janitorial work* for the mentally retarded.

RD-1606-P (64-4). FACTORS CONTRIBUTING TO SUCCESSFUL AND NON-SUCCESSFUL COMMUNITY ADJUSTMENT OF DISCHARGED RETARDATES. Pineland Hospital and Training Center, Box C, Pownal, ME 04069; Peter W. Bowman, M.D.

An analytical and descriptive study of discharged *mental retardates* to determine the *predictive elements* in their lives most closely associated with their *success or failure in community adjustment*.

RD-1607-P (65-1).* PERSONALITY AND LEARNING IN THE RETARDATE. Dept. of Institutions and Agencies, Division of Mental Retardation, State Colony at Woodbine, Woodbine, NJ 08270; J.C. Brengelmann, M.D. and H.F. Schultz, Ed.M.

To demonstrate that significant *relationships* exist between *personality* and learning in the retardate.

RD-1635-G (64-1).* STUDY OF THE FEASIBILITY OF AN INTER-DISTRICT PROGRAM FOR TRAINABLE RETARDED ADOLESCENTS. Educational Research and Development Council of Twin Cities Metropolitan Area, Univ. of Minnesota, Minneapolis, MN 55455; Donald E. Davis, Ph.D.

To plan an *interdistrict* program of *educational* and *community services* to *adolescent trainable retardates*. See also RD-1810.

RD-1637-G (64-1).* A PLANNING GRANT TO DEVELOP METHODS IN IMPLEMENTING THE ROLE OF A DVR IN FEDERAL EMPLOYMENT OF THE MENTALLY RETARDED UNDER CIVIL SERVICE REGULATIONS. D.C. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; Leslie B. Cole.

A planning grant to develop methods and tech-

niques in implementing the *role of the DVR* in the *Federal employment* of the mentally retarded under Civil Service Regulations. See also RD-1799.

RD-1660-G (65-2).* COORDINATION OF A UNIVERSITY PROGRAM IN THE REHABILITATION OF THE MENTALLY RETARDED. Medical College of Alabama, 1919 Seventh Ave South, Birmingham, AL 35233; H. P. Bentley, Jr., M.D.

To determine the role of the *university* in rehabilitation of *mentally retarded* individuals.

RD-1689-G (65-1).* A NEW YORK WORLD'S FAIR MENTAL RETARDATION WORKSHOP EXHIBIT. Joseph P. Kennedy, Jr. Foundation, 1411 K St. N.W., Washington, DC 20005; John M. Throne, Ph.D.

To plan a *Mental Retardation Workshop Exhibit* for the New York World's Fair.

RD-1699-G (65-3).* A PROGRAM FOR INSTITUTIONALIZED MENTALLY RETARDED ADULTS. Arkansas Rehabilitation Service, 211 Broadway, Little Rock, AR 72201; Robert L. Parson.

To develop effective *methods and techniques* for rehabilitating *older institutionalized mentally retarded adults*.

RD-1769-G (65-1).* MENTAL RETARDATION - BLUEPRINT FOR ACTION. Welfare Federation of Cleveland, 1001 Huron Road, Cleveland, OH 44155; Rilma Buckman, Ph.D.

A planning project to develop a "blueprint for action" in the field of *mental retardation* for Cuyahoga, Geauga, and Lake Counties. See also RD-2056.

RD-1799-G (65-2). STATE DVR ROLE IN IMPLEMENTING THE FEDERAL PROGRAM FOR EMPLOYMENT OF MENTAL RETARDATES. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; Hedwig Oswald.

To demonstrate the role of a vocational rehabilitation agency in developing and implementing a program for *employment of the mentally retarded in Federal agencies*. See also RD-1637.

Film. *Jobs Well Done*.

RD-1810-G (66-5). INTER-DISTRICT SCHOOL REHABILITATION PROGRAM FOR LESS ABLE RETARDED ADOLESCENTS. Educational Research and Development Council of Twin Cities Metropolitan Area, Univ. of Minnesota, Minneapolis, MN 55455; Donald E. Davis, Ed.D.

To demonstrate the effectiveness of a comprehensive *interdistrict, school-based*, vocational rehabilitation program for trainable *mentally retarded requiring intensive services*. See also RD-1635.

RD-1816-P (65-3).* EFFECTS OF DIFFERENTIAL EXPERIENCES ON RETARDED PERSONS LIVING IN RESIDENTIAL CENTERS. Univ. of Hartford, P.O. Box 1948, Hartford, CT 06101; David D. Komisar, Ph.D.

To determine the effects of differential *daily living experiences* on retarded persons living in residential centers. See also RD-1500.

RD-1853-G (66-3) THE PLANNING AND IMPLEMENTATION OF COMPREHENSIVE SERVICES FOR THE MENTALLY RETARDED IN LOS ANGELES COUNTY. Mental Retardation Service Board of Los Angeles Co., 1313 West Eighth St., Los Angeles, CA 90017; M. M. Mooring.

To demonstrate techniques of *coordinating rehabilitation services for the retarded* in a large metropolitan area through a legally constituted joint public authority.

RD-1919-P (66-3). INFLUENCE OF LOW SOCIO-ECONOMIC CLASS AND PARENT PARTICIPATION ON THE ADAPTATION OF RETARDED ADULTS TO A VOCATIONAL REHABILITATION PROGRAM. Assn. for Help of Retarded Children, New York City Chapter, 200 Park Ave. South, New York, NY 10003; Max Dubrow, Ph.D.

To study various *differences between low socio-economic and middle-class retardates*; develop training and treatment *programs to meet needs of low socio-economic group*; study various aspects of *parent involvement* in rehabilitation of young adult retardates.

RD-1928-G (65-1).* THIS ISN'T KINDNESS. Natl. Assn. for Retarded Children, 386 Park Ave. South, New York, NY 10016; John Becker.

To produce a *film* depicting the capabilities of rehabilitated mentally retarded persons in industry to *increase employment opportunities*.

Film. *Selling a Guy Named Larry*.

RD-1929-G (66-5). COMMUNITY ORGANIZATION ACTION PLAN FOR THE MENTALLY RETARDED. San Francisco Coordinating Council on Mental Retardation, 948 Market St., San Francisco, CA 94102; Lillian Creisler.

To demonstrate, through the *community organization process*, ways of (1) developing and expanding new *services needed by the mentally retarded and their families*, (2) coordinated expansion of existing services, and (3) changing attitudes and values which negate maximum use of available services. See also RD-1535.

RD-1930-G (65-1).* THE HOPE AND THE PROMISE. Film. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; E. B. Whitten.

To produce a *film* on the techniques of *selective placement* of the handicapped.

RD-1944-P (66-3).* THE FAIRFAX PLAN: A WORK-STUDY PROGRAM FOR THE MILDLY RETARDED. Fairfax

Co. School Board, 10700 Page Ave., Fairfax, VA 22030; Bernard J. Cameron.

To establish, evaluate, and maintain an intensive program of *educational and vocational* training geared specifically to the habilitation of *mildly mentally retarded youth*.

RD-2031-G (65-2).* NEW WORK OPPORTUNITIES FOR THE MENTALLY RETARDED. Natl. Assn. of Sheltered Workshops and Homebound Programs, 1029 Vermont Ave. N.W., Washington, DC 20005; Antonio C. Suazo.

To demonstrate the feasibility of training the *mentally retarded* in workshops for *new work opportunities* in *candle making* and related industries.

RD-2039-P (66-1).* YOU'RE IT. Film. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33614; Alden S. Gilmore and Thomas A. Rich.

To produce a *film* to illustrate effective techniques of *recreational leadership* with the *mentally retarded* for use with *volunteer workers* and others.

RD-2056-G (66-5). GREATER CLEVELAND MENTAL RETARDATION DEVELOPMENT PROJECT. Welfare Federation of Cleveland, 1001 Huron Road, Cleveland, OH 44115; Rilma O. Buckman, Ph.D.

To demonstrate ways of providing a *continuum of vocational rehabilitation services* for the *mentally retarded*, drawing on all resources of the community. See also RD-1769.

RD-2057-G (66-3).* SOCIAL ADJUSTMENT CENTER. South Carolina Retarded Childrens' Habilitation Center, Jamison Road, Ladson, SC 29456; Erbert F. Cicenia, Ed.D.

To demonstrate the efficacy of a *social adjustment residential center* in *preventing institutionalization of mentally retarded adults* who require security, supervision, guidance, and training not presently available in the community.

RD-2125-P (66-1).* TASK TRAINING METHODS FOR THE SEVERELY MENTALLY RETARDED. Springfield Goodwill Industries, 285 Dorset St., Springfield, MA 01008; Mrs. Evelyn Gary.

A project to demonstrate the efficacy of preparing the severely retarded for *vocational adjustment* by applying techniques derived from *learning theory*.

RD-2197-G (67-4). INDUSTRIAL TRAINING RESOURCES IN REHABILITATION PROGRAMS FOR RETARDATES. Jewish Employment and Vocational Services, 1727 Locust St., St. Louis, MO 63103; D. J. Bolanovich, Ph.D.

To explore various methods for utilizing *industrial training resources* in the rehabilitation of mentally retarded individuals.

RD-2209-G (67-3). SPECIAL SERVICES - RECREATION FOR THE HANDICAPPED. Southern Illinois Univ., Carbondale, IL 62901; William H. Freeberg, D. Rec.

To estalish a series of critical *digests of existing programs and written materials* devoted to *recreation* for the handicapped.

RD-2245-P (67-1).* FILMS FOR VOCATIONAL REHABILITATION COUNSELORS. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33614; L. H. Ricker, Ph.D.

To produce a series of six *films* for training rehabilitation counselors and others working with the mentally retarded.

RD-2286-P (67-2).* TECHNIQUES FACILITATING DISCRIMINATION LEARNING. The Catholic Univ. of America, Washington, DC 20017; R. A. Wunderlich, Ph.D.

To investigate and develop techniques to facilitate learning by normal and retarded children *under adverse conditions* of contiguity.

RD-2294-P (66-1).* PEER KNOWLEDGE AND SUBSEQUENT ADJUSTMENT OF MENTALLY RETARDED YOUTH. Univ. of Oregon, Eugene, OR 97403; John E. deJung, Ed.D.

To investigate the relationship of *interperson awareness* by institutionalized higher level retardates upon their subsequent *social and vocational adjustment*.

RD-2304-P (66-1).* A PRELIMINARY INVESTIGATION OF PERSONAL-SOCIAL INTERACTION IN JOB OPPORTUNITIES AVAILABLE TO THE RETARDED. Univ. of Georgia, Athens, GA 30601; A. L. Shotick, Ph.D.

A pilot investigation of the *personal-social interactions* in various job opportunities available to mentally retarded youth.

RD-2346-P (67-3). INTER-GENERATIONAL RELATIONSHIP IN THE VOCATIONAL REHABILITATION OF MENTALLY RETARDED. Federation Employment and Guidance Service, 215 Park Ave. South, New York, NY 10003; Roland Baxt.

To establish a demonstration *multidimensional vocational rehabilitation program for mentally retarded adults* with opportunities for *intergenerational relationships* with older disabled persons and to assess the impact of the program on their rehabilitation.

RD-2382-P (67-1).* THE DEVELOPMENT OF REASONING, MORAL JUDGEMENT, AND MORAL CONDUCT IN RETARDATES AND NORMALS. Temple Univ., Philadelphia, PA 19122; Will Beth Stephens, Ph.D.

V. MENTAL RETARDATION

A project to study *reasoning, moral judgment, and moral conduct* in retardates and to compare retardates' performance with that of normal individuals. See also RD-3143.

RD-2425-G (67-1).* A NATIONAL FOLLOW-UP OF MENTAL RETARDATES EMPLOYED BY THE FEDERAL GOVERNMENT. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; Leslie B. Cole.

To conduct a *followup study* of the initial 2,000 *mental retardates* employed by the Federal Government.

RD-2471-G (68-1).* TRAINING OF PROGRAM SUPERVISORS OF MENTALLY RETARDED WORKERS. Rhode Island Assn. for Retarded Children, 820-A Atwells Ave., Providence, RI 02909; Robert A. Margello.

To demonstrate *increased work opportunities* for the *mentally retarded by training industrial work supervisors* to work with them.

RD-2568-P (68-3). ASSESSING THE WORK PERSONALITIES OF MENTALLY RETARDED ADULTS. Univ. of Minnesota, Minneapolis, MN 55455; Lloyd H. Lofquist, Ph.D.

To investigate the *work personality of mentally retarded* individuals in terms of vocational abilities and vocational needs.

RD-2569-P (68-3). COGNITIVE AND ATTITUDINAL-MOTIVATIONAL FACTORS IN PERFORMANCE OF RETARDED. The Catholic Univ. of America, Washington, DC 20017; Norman A. Milgram, Ph.D.

A research-demonstration of *cognitive and attitudinal factors* which directly contribute to the response of *mentally retarded adolescents* and *adults* to rehabilitation and training efforts.

RD-2599-P (68-2).* SKILL ANALYSIS FOR PREDICTING VOCATIONAL SUCCESS OF THE MENTALLY RETARDED. Human Resources Center, Albertson, NY 11507; Henry Viscardi, Jr., LL.D.

To develop and validate instruments *predictive* of *training success* and *employment* of retardates in specific *clerical and industrial occupations*.

RD-2625-P (68-1).* DECISION CRITERIA IN ENDOGENOUS MENTALLY RETARDED ADULTS. The Regents of the Univ. of Michigan, 2008 Administration Bldg., Ann Arbor, MI 48104; Wilson P. Tanner, Jr.

To develop *techniques* for studying the limits of *decision criteria* of *retardates* and the nature of their *response criteria*.

RD-2686-G (68-3). NEW APPROACHES TO COMPETITIVE EMPLOYMENT FOR THE MENTALLY RETARDED. Flame of Hope, Inc., Scudder Ave., Hyannis Port, MA 02647; Marvin Blank.

To assist *sheltered workshops* for the *mentally retarded* in development, design, production, promotion, and marketing of salable items that can be produced in quanity and sold nationally.

RD-2690-G (68-1).* EMPLOYMENT OF MENTALLY RETARDED IN COMPETITIVE INDUSTRY. Human Resources Center, Albertson, NY 11507; Henry Viscardi, Jr., LL.D.

To produce a *film* showing progress in rehabilitating the *educable mentally retarded* at Human Resources Center.

RD-2753-P (68-1).* A COMPARISON OF THE DOMAN-DELACATO METHOD AND BEHAVIOR MODIFICATION METHOD UPON THE COORINATION OF MONGOLOIDS. Teaching Research Division, Oregon State System of Higher Education, Monmouth, OR 97361; Gerald E. Gage, Ed.D.

A pilot project to apply the *Doman-Delacato method* of patterned therapeutic exercises to *monogoloids* to determine if it improves their *motor coordination*.

RD-2847-P (68-3). RETURN TO THE COMMUNITY OF THE MENTALLY ILL. San Mateo Co. Hall of Justice and Records, Redwood City, CA 94063; H. Richard Lamb, M.D.

To determine the extent to which an *alternative program* can be developed in a community *to supplant long-term hospitalization* of the *chronic and severely mentally ill* in the State hospital. See also RD-2054.

RD-2878-P (68-1).* CONFERENCE ON RESIDENTIAL CARE. Univ. of Hartford, 200 Bloomfield Ave., West Hartford, CT 04117; Dr. Michael Klaber.

A conference on residential services and programs for the *retarded* to *disseminate* pertinent research *findings* among an assembled group of experts in the field of mental retardation.

RD-2927-G (69-3). IMPROVING STANDARDS FOR SERVICES TO THE RETARDED IN RESIDENTIAL CENTERS. Joint Commission on Accreditation of Hospitals, 645 North Michigan Ave., Chicago, IL 60611; John D. Porterfield, M.D.

The further development and implementation of standards of service to the retarded in public and private residential centers and the formation of a categorical council under the Joint Commission on Accreditation of Hospitals for *accreditation of residential centers for the retarded*.

RD-3058-P (61-3). PROBLEM SOLVING AND DEVELOPMENT OF SOCIAL AND WORK SKILLS IN THE MENTALLY RETARDED. Univ. of Wisconsin, 750 University Ave., Madison, WI 53706; Alfred J. Butler, Ph.D.

To develop and refine a *theory of problem-solving* which will focus on factors *contributing to the development of work and social skills* in retarded persons.

RD-3079-G (69-3). COMPARATIVE EFFORTS IN COMMUNITY ORGANIZATION: A STUDY OF FIVE INTERORGANIZATIONAL COMPARATIVE PROJECTS. Univ. of Wisconsin, Madison, WI 53706; Jerald Hage, Ph.D.

A comparative study of five large *community organization* projects serving the *retarded*.

RD-3142-P (69-3). MEASUREMENT AND REMEDIATION OF SOCIAL COMPETENCY DEFICITS. Univ. of Oregon, Eugene, OR 97403; Dr. John E. de Jung.

To study requisites of adequate *social behavior* within populations *of retarded* and low income adolescents; to develop an experimental social competency curriculum for junior high school students; and to modify and *validate the Test of Social Inference* on these populations.

RD-3143-P (69-3). THE REASONING, MORAL JUDGMENT, AND MORAL CONDUCT OF RETARDATES - PHASE TWO. Temple Univ., Broad and Montgomery Sts., Philadelphia, PA 19122; Will Beth Stephens, Ph.D.

To assess the development of *moral reasoning, moral judgment, and moral conduct* among mental *retardates*. See also RD-2382.

RD-3705-P (69-1). RESTRUCTURING THE ROLE OF THE CONSUMER REPRESENTATIVE IN THE CHANGE PROCESS TO IMPROVE SERVICES FOR THE MENTALLY RETARDED. California Council for Retarded Children, 1107 Ninth St., Room 1020, Sacramento, CA 95814; H. David Sokoloff.

A pilot study to analyze and structure a *change process* that will lead to improvement *in the services available to the retarded*.

RC-11-P (62-1).* THESE ARE NOT CHILDREN: A PLAY ABOUT OPPORTUNITIES FOR THE MENTALLY RETARDED. Plays for the Living, Family Services Assn. of America, 44 East 23rd St., New York, NY 10010; Clare M. Tousley.

To develop an educational and informative *theatrical production* demonstrating the effectiveness of the rehabilitation process in the vocational rehabilitation of the mentally retarded. See also RD-2309.

SELECTED DEMONSTRATIONS

Occupational Training Centers for the Mentally Retarded

RD-202 (58-4).* C-BARC OCCUPATIONAL CENTER. Caddo-Bossier Assn. for Mentally Retarded Children, 351 Jordan St., Shreveport, LA 71101; Fortson Almand, Sr.

RD-204 (58-3).* VOCATIONAL TRAINING OF MENTALLY HANDICAPPED ADOLESCENTS. Southern Illinois Univ. Carbondale, IL 62901; O. P. Kolstoe, Ph.D.

RD-205 (58-4).* WORK-TRAINING CENTER. Aid Retarded Children, 1362 Ninth Ave., San Francisco, CA 94103; Elias Katz, Ph.D.

RD-211 (58-5).* A DEMONSTRATION PROJECT TO ESTABLISH A SHELTERED WORKSHOP FOR SEVERELY RETARDED ADULTS TO DUPLICATE O.V.R. SPECIAL PROJECT NUMBER 11. Philadelphia Assn. for Retarded Children, 1440 North Broad St., Philadelphia, PA 19121; Mortimer M. Frankston. See also RD-20.

RD-232 (58-3).* OCCUPATIONAL TRAINING CENTER. Aid for Retarded Children Assn. of Jefferson Co., Occupational Training Center, 4244 Third Ave. South, Birmingham, AL 35222; Carl Monroe, Jr.

RD-237 (58-3).* OCCUPATIONAL TRAINING CENTER AND SHELTERED WORKSHOP. Orange Grove School, 1002 East Main St., Chattanooga, TN 37408; N. R. Hafemeister, Ed.D.

RD-254 (58-4).* DEVELOPING EMPLOYABILITY IN MENTALLY RETARDED ADULTS. The Sheltered Workshop Foundation of Lucas Co., 255 Heffner at Kelsey, Toledo, OH 43605; Mrs. Josina Lott.

RD-258 (58-4).* THE SOUTH TEXAS REHABILITATION CENTER. The Rio Grande Assn. for the Mentally Retarded, P.O. Box 533, Edinburg, TX 78539; Arthur E. Brown.

RD-268 (58-3).* GEORGE MASON OCCUPATIONAL CENTER. Arlington Co. School Board, 1426 North Quincy St., Arlington, VA 22207; Edward F. Rose.

RD-274 (58-3).* REHABILITATION TRAINING CENTER AND SHELTERED WORKSHOP FOR MENTALLY RETARDED YOUNG ADULTS. Project, Inc., 401 South Edwin St. St. Louis, MO 63103; Thomas W. Phillips.

RD-278 (59-4).* WORK-CITIZENSHIP PREPARATION OF MENTALLY RETARDED ADULTS. Goodwill Industries of Greater Kansas City, 1817 Campbell St., Kansas City, MO 64108; Herbert T. Gragert.

RD-308 (58-5).* DEVELOPMENT OF OCCUPATIONAL EVALUATION AND TRAINING CENTER FOR THE MENTALLY RETARDED. Goodwill Industries of Tacoma, 2356 Tacoma Ave. South, Tacoma, WA 98402; James J. Szenas.

RD-357 (59-3).* LARADON HALL OCCUPATIONAL CENTER. Laradon Hall Society, East 51st Ave. and Lincoln St., Denver, CO 80216; Alfred H. Gallagher.

RD-373 (59-3).* BRIDGE BUILDING: OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Maryland Assn. for Retarded Children, Baltimore Chapter, 2538 Greenmount Ave., Baltimore, MD 21218; Mrs. Helen Nussear.

RD-436 (60-4).* DELAWARE COUNTY OCCUPATIONAL CENTER. Delaware Co. Council for Retarded Children, 2000 West 7th St., Muncie, IN 47302; Mrs. Mary Alice Cooper.

RD-444 (60-5).* OCCUPATIONAL TRAINING CENTER FOR MENTALLY RETARDED ADULTS. Rhode Island Assn. for Retarded Children, Greater Providence Chapter, 820 Atwells Ave., Providence, RI 02909; Otis Clay Oliver, Jr.

RD-461 (60-3).* OCCUPATIONAL CENTER FOR THE MENTALLY RETARDED. Chatham Co. Assn. for Mentally Retarded Children, P.O. Box 1787, Savannah, GA 31401; John J. Ahern.

RD-480 (60-4).* OCCUPATIONAL TRAINING CENTER FOR MENTALLY RETARDED. Occupational Training Center for the Mentally Retarded, 84th and Adams, Lincoln, NB 68507; Delwyn C. Lindholm.

RD-484 (60-3).* THE VOCATIONAL ADJUSTMENT CENTER. Vocational Adjustment Center, 27 Damrell St., Boston, MA 02127; Diwakar S. Salvi.

RD-489 (60-5).* CONCEPTS FOR WORKING: SPECIALIZED TRAINING FOR MENTALLY RETARDED YOUNG ADULTS. San Antonio Council for Retarded Children, 437 West Travis St., San Antonio, TX 78205; John W. Weimer.

RD-531 (60-4).* THE ATLANTA OCCUPATIONAL CENTER FOR MENTALLY RETARDED. Greater Atlanta Chapter for Retarded Children, 1100 Sylvan Road S.W., Atlanta, GA 30310; Therese D. Hite, Ph.D.

RD-606 (61-3).* VOCATIONAL UNIT OF GOOD SAMARITAN TRAINING CENTER. Harrison Co. Assn. for Retarded Children, P.O. Box 597, Gulfport, MS 39502; H. B. Longest.

RD-621 (61-4).* OCCUPATIONAL TRAINING CENTER AND SHELTERED WORKSHOP FOR MENTALLY RETARDED. Hinds Co. Assn. for Retarded Children, 1044 Voorhees St., Jackson, MS 39209; Henry Eaton.

RD-663 (61-2).* HAWAII WORK TRAINING PROGRAM FOR THE ADULT MENTALLY RETARDED. State Division of Vocational Rehabilitation, P.O. Box 2360, Honolulu, HI 96804; Harold Ajirogi.

RD-678 (61-4).* OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Richmond Goodwill Industries, 9 South 14th St., Richmond, VA 23219; Mrs. Jean P. Seward.

RD-698 (62-3).* DEVELOPMENT OF A PROGRAM OF REHABILITATION FOR MENTALLY RETARDED YOUNG ADULTS IN A RURAL SETTING. Morrilton Public Schools Training Center for the Mentally Retarded, Morrilton, AR 72110; Terry A. Humble.

RD-719 (61-4).* AN OCCUPATIONAL CENTER FOR RETARDED CHILDREN. South Dakota Assn. for Retarded Children, James Valley Chapter, 620 North Kittridge St., Mitchell, SD 57301; Charles F. Pagel.

RD-735 (61-4).* LAKE REGION SHELTERED WORKSHOP. Lake Region Sheltered Workshop, East Lincoln Ave., Fergus Falls, MN 56537; Norman Doeden.

RD-743 (61-2).* AN ANALYSIS OF THE OCCUPATIONAL TRAINING PROJECT FOR THE RETARDED. Whitten Village, Clinton, SC 29325; B. O. Whitten.

RD-773-G (61-4).* SHELTERED WORKSHOP AND TRAINING PROGRAM FOR THE MENTALLY RETARDED. Cabell Co. Sheltered Workshop, 701 Jackson Ave., Huntington, WV 25704; Alex Darbes, Ph.D.

RD-854-G (62-3).* SIOUX CITY WORK EVALUATION AND TRAINING PROJECT FOR THE MENTALLY RETARDED. Wall Street Mission, 312 South Wall St., Sioux City, IA 51104; John P. Hantla, Jr.

RD-875-G (62-3).* OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Palm Beach Co. Assn. for Retarded Children, P.O. Box 1148, Lake Worth, FL 33461; Mrs. Delores S. Benedict.

RD-956-G (62-3).* VOLUNTEER STATE VOCATIONAL CENTERS. Tennessee Assn. for Retarded Children, 210 Whitley Bldg., 1701 21st Ave. South, Nashville, TN 37212; Hale C. Donaldson, M.A.

RD-977-G (62-3).* WORCESTER AREA OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Worcester Area Assn. for Retarded Children, 162 Chandler St., Worcester, MA 01609; Edwin A. Hastbacka.

RD-980-G (63-3).* OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Hope for Retarded Children, Inc., 888 Delmas Ave., San Jose, CA 95125; Mrs. Patricia Hobbs.

RD-1122-G (63-3).* ..AND...SOMEDAY, PERHAPS, MY CHANCE WILL COME. Vocational Training Center, 1044 Tenth St. North, Fargo, ND 58102; Warren M. Abbott.

RD-1203-G (63-3).* OPPORTUNITY TRAINING CENTER, INC. Opportunity Training Center, 101 Chestnut St., Grand Forks, ND 58201; Roy E. Kinbrell.

RD-1204-G (64-3).* OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Lee Co. Assn. for Retarded Children, 2570 Hanson St., Fort Myers, FL 33901; Richard D. Campbell.

RD-1207-G (63-3).* AN OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY HANDICAPPED. Lt. Joseph P. Kennedy, Jr. School, 123rd and Wolf Road, Palos Park, IL 60464; Melvin Greenstein.

RD-1257-G (64-3).* VERMONT OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. The Vermont Natl. and Savings Bank Bldg., 381 Main St., Bennington, VT 05201; Milton G. Moore.

RD-1345-G (64-3).* PROGRAM OUTLINE: LEWISTON-AUBURN OCCUPATIONAL TRAINING CENTER. Committee for the Intellectually Handicapped, Central School-Special Education Dept., Academy St., Auburn, ME 04210; Arthur Bennett.

RD-1546-G (65-3).* OCCUPATIONAL TRAINING AND EVALUATION CENTER FOR THE MENTALLY RETARDED. Benevolent and Protective Order of Elks, Lodge #242, Lockwood Blvd., Charleston, SC 29401; John F. Nimmich.

RD-1547-G (65-3).* THE SHELTERED WORKSHOP AND OCCUPATIONAL TRAINING CENTER. Council for Retarded Children of Jefferson Co., 809 East Washington St., Louisville, KY 40202; Jesse T. Richardson, Jr.

RD-1695-G (65-3).* NORTHERN KENTUCKY GOODWILL INDUSTRIES OCCUPATIONAL TRAINING CENTER FOR THE MENTALLY RETARDED. Northern Kentucky Goodwill Industries, 228 Court St., Covington, KY 41011; John C. Wilson, Ph.D.

RD-1824-G (65-3).* A DEMONSTRATION OF EVAULATION, TRAINING, PERSONAL ADJUSTMENT AND VOCATIONAL PLACEMENT OF ADOLESCENT MENTALLY RETARDED. Christ Child Extension Sch. for Retarded Youth, 2064 Summit Ave., St. Paul, MN 55105; Sister Anna Marie.

RD-2101-G (66-3).* WORK ADJUSTMENT TRAINING FOR MENTALLY RETARDED YOUNG PEOPLE IN A COMMUNITY SETTING. Caruth Memorial Rehabilitation Center, 7850 Brook Hollow Road, Dallas, TX 75235; Lester Lamb.

SELECTED DEMONSTRATIONS
Coordinated Program of Vocational Rehabilitation and Special Education Services for the Mentally Retarded

RD-1285-P (64-3).* COOPERATIVE EFFORTS OF SCHOOLS AND REHABILITATION SERVICES FOR THE MENTALLY RETARDED. Bourbon Co. Schools, Administration Office, Paris, KY 40361; William W. Bolton.

RD-1498-P (64-3).* REHABILITATION SERVICES FOR EDUCABLE RETARDED STUDENTS. Eugene School District #4, 275 East Seventh Ave., Eugene, OR 97401; Lloyd H. Gillett, Ph.D.

RD-1509-P (64-3).* DEMONSTRATION PROJECT CONCERNING TRAINING AND VOCATIONAL PLACEMENT FOR EDUCABLE MENTALLY RETARDED PUPILS. Vigo Co. School Corp., 667 Walnut St., Terre Haute, IN 47801; William J. Hamrick.

RD-1522-P (64-3).* VOCATIONAL REHABILITATION AND SPECIAL EDUCATION FOR THE MENTALLY RETARDED IN HARLAN CO., KENTUCKY. Bureau of Rehabilitation Services, Box 879, Harlan, KY 40831; John M. Burkhart.

RD-1523-P (64-3).* VOCATIONAL REHABILITATION AND SPECIAL EDUCATION FOR THE MENTALLY RETARDED IN ROCKCASTLE CO., KENTUCKY. Bureau of Rehabilitation Services, Box 879, Harlan, KY 40831; John M. Burkhart.

RD-1524-P (64-3).* AN ORGANIZED COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION FOR THE MENTALLY RETARDED. Bureau of Rehabilitation Services, Mayo State Vocational Sch., Paintsville, KY 41240; Basil T. Mullins.

RD-1548-P (64-3).* A SELECTED DEMONSTRATION FOR THE VOCATIONAL TRAINING OF MENTALLY RETARDED YOUTH. Univ. of Kansas Medical Center, 39th and Rainbow, Kansas City, KS 66103; Norris G. Haring, Ed.D.

RD-1628-P (64-3).* COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Dorothy M. Singer, Ed.D.

RD-1631-P (65-3).* COORDINATED PROGRAM OF SPECIAL EDUCATION AND VOCATIONAL REHABILITATION SERVICES FOR THE MENTALLY RETARDED. Division of Vocational Rehabilitation, Dept. of Public Instruction, State Capitol Bldg., Pierre, SD 57501; R. Chadwick Hoffbeck.

RD-1640-P (64-3).* COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED. State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Cornelius L. Williams.

RD-1649-P (65-3).* COORDINATED PROGRAM OF SPECIAL EDUCATION AND VOCATIONAL REHABILITATION SERVICES FOR THE MENTALLY RETARDED. Richland Co. School District No. 1, 1331 Marion St., Columbia, SC 29201; Mrs. Sarah Trusdale.

RD-1656-P (64-3).* COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED (LOGAN COUNTY). State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State

Capitol Bldg., Charleston, WV 25305; Earl W. Wolfe.

RD-1665-P (64-3).* HELP ALONG THE WAY: COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED. State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Marvin R. Barker.

RD-1668-P (65-3).* A REVIEW OF THE EDUCABLE MENTALLY RETARDED WORK-STUDY PROGRAM IN THE CHATTANOOGA PUBLIC SCHOOLS, 1964-67. Chattanooga Public Schools, 1161 West 40th St., Chattanooga, TN 37407; Roy E. Batchelor.

RD-1674-P (65-3).* A COORDINATED PROGRAM OF SPECIAL EDUCATION AND VOCATIONAL REHABILITATION SERVICES FOR THE MENTALLY RETARDED. Connecticut State Dept. of Education, Box 2219, Hartford, CT 06115; Kenneth Jacobs.

RD-1676-P (65-3).* EDUCATION AND HABILITATION FOR THE ADOLESCENT MENTALLY RETARDED: A TEAM APPROACH. Services for Exceptional Children, Division of Instruction, State Dept. of Education, 118 State Office Bldg., Atlanta, GA 30334; Richard M. Bartlett.

RD-1681-P (65-3).* A COORDINATED PROGRAM FOR VOCATIONAL REHABILITATION SERVICES FOR THE MENTALLY RETARDED. School District No. 1, Multnomah Co., 631 Clackamas, Portland, OR 97222; Edgar A. Taylor, Jr.

RD-1682-P (65-3).* COORDINATED PROGRAM FOR VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED. Board of Education, Memphis City Schools, 2597 Avery, Memphis, TN 38112; Harold W. Perry.

RD-1743-P (65-3).* A COOPERATIVE EDUCATION/REHABILITATION WORK-STUDY PROGRAM FOR EDUCABLE MENTALLY RETARDED: THE ESSEX PLAN. Board of Education, 21 Winans St., East Orange, NJ 07050; Patricia F. Lewis.

RD-1744-P (65-3).* A COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED. Southern Gloucester Co. Regional High, Blackwoodtown Road, Franklinville, NJ 08322; Pierre S. Heimrath.

RD-1749-P (65-3).* A COORDINATED PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION SERVICES FOR THE MENTALLY RETARDED. Division of Vocational Rehabilitation, 400 Atlas Bldg., Salt Lake City, UT 84101; Vaughn L. Hall.

RD-1761-P (65-3).* ON-THE-JOB TRAINING PROGRAM: EDUCABLE MENTALLY RETARDED. Pocatello School District No. 25, 246 North Carfield, Pocatello, ID 83201; Virgil Allen.

RD-1917-P (65-3).* COOPERATIVE PROGRAM OF VOCATIONAL REHABILITATION AND SPECIAL EDUCATION IN THE WINSTON-SALEM/FORSYTH COUNTY PUBLIC SCHOOL SYSTEM. Division of Vocational Rehabilitation, Dept. of Public Instruction, Raleigh, NC 27603; Harold J. Pope.

RD-1931-P (66-3).* A HUMAN DEVELOPMENT PROGRAM FOR EDUCABLE RETARDED YOUTH. West Springfield Public Schools, 130 Park St., West Springfield, MA 01105; Chris Grammaticas.

RD-2068-P (66-3).* COORDINATED PROGRAM OF DVR AND PUBLIC SCHOOLS FOR MENTALLY RETARDED. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; David O. Songer.

RD-2097-P (66-1).* SPECIAL EDUCATION OF MENTALLY RETARDED YOUTH. Idaho State Dept. of Education, State House, Boise, ID 83702; Reid Bishop.

SELECTED DEMONSTRATIONS

A Work Experience Program for the Mentally Retarded in Their Last Year in School

RD-1525-G (64-3).* WORK EXPERIENCE CENTER: HABILITATION OF THE RETARDED. Jewish Employment and Vocational Service, 1727 Locust St., St. Louis, MO 63103; Samuel Bernstein.

RD-1528-G (64-3).* COORDINATED PROGRAM FOR MENTALLY RETARDED IN THE DENVER PUBLIC SCHOOLS AND THE COLORADO DEPARTMENT OF REHABILITATION. Denver Public Schools and Colorado Dept. of Rehabilitation, 705 State Services Bldg., 1525 Sherman St., Denver, CO 80203; Russell K. Britten.

RD-1675-G (65-3).* A WORK EXPERIENCE PROGRAM FOR THE MENTALLY RETARDED IN THEIR LAST YEAR IN SCHOOL. Opportunity Center, P.O. Box 254, 3030 Bowers St., Wilmington, DE 19899; John D. Zimmerman.

RD-1736-G (65-3).* A WORK EXPERIENCE PROGRAM FOR THE MENTALLY RETARDED IN THEIR LAST YEAR IN SCHOOL. Goodwill Industries of Oregon, 512 S.E. Mill St., Portland, OR 97214; William Wiegers.

RD-1759-G (65-3).* WORK ADJUSTMENT CENTER: A BRIDGE BETWEEN SCHOOL AND WORK. Greater Portland Assn. for Retarded Children, 1777 West Broadway, South Portland, ME 04106; J. Philip Chandler.

V. MENTAL RETARDATION

RD-1762-G (65-3).* WORK EXPERIENCE PROGRAM. Omaha Public Schools, 3902 Davenport St., Omaha, NB 68131; Don Warner.

RD-1830-G (66-3).* A COOPERATIVE WORK EXPERIENCE PROGRAM FOR MENTALLY RETARDED ADOLESCENTS. Crossroads Rehabilitation Center, 3242 Sutherland Ave., Indianapolis, IN 46205; Shelley C. Stone, Ph.D.

RD-2058-G (66-3).* A WORK EXPERIENCE PROGRAM FOR THE MENTALLY RETARDED IN THEIR LAST YEAR IN SCHOOL. Vocational Guidance and Rehabilitation Service, 2239 East 55th St., Cleveland, OH 44103; John L. Campbell.

RD-34 (55-5).* VOCATIONAL REHABILITATION RESEARCH IN A REGIONAL RESPIRATORY CENTER FOR POLIOMYELTIS. Attending Staff Association, Rancho Los Amigos Hospital, 7601 Imperial Highway, Downey, CA 90242; John E. Affeldt, M.D.

To develop and demonstrate effective methods to rehabilitate those severely disabled by *polio* who are undergoing *treatment in respirator centers*, including the modification of respiratory equipment so as to make adequate retraining possible.

RD-165 (57-3).* ENERGY EXPENDITURE AND WORK TOLERANCE STUDIES IN HEMIPLEGIC PATIENTS. Univ. of California Medical Center, San Francisco, CA 91322; Gregory Bard, M.D.

To evaluate physical medicine techniques used in treating *hemiplegic* patients from the standpoint of *energy expenditure*.

RD-191 (57-3).* A MULTIDISCIPLINE APPROACH TO REHABILITATION IN PARKINSONISM. Commercial ed. *Parkinsonism: Its Medical and Surgical Therapy*. St. Barnabas Hospital, 183rd St. and Third Ave., Bronx, NY 10457; I. S. Cooper, M.D.

To study (1) the medical and nonmedical factors in selection of *Parkinson* patients for surgery; (2) the medical and psychological effects of surgery, and the postoperative rehabilitation procedures.

RD-195 (57-3).* A DEMONSTRATION AND RESEARCH STUDY OF THE VOCATIONAL REHABILITATION OF THE PHYSICALLY REHABILITATED HEMIPLEGIC IN A WORKSHOP SETTING. Community Rehabilitation Industries, 1438 East Anaheim St., Long Beach, CA 90813; F. J. Kirkner, Ph.D.

To determine the extent to which a *community workshop* can rehabilitate *hemiplegics* previously considered unemployable.

RD-244 (58-2).* BLOCKS TO THE EMPLOYMENT OF THE PARAPLEGIC. 2 vols. 1. Description of the Sample. 2. A Study of Employer Attitudes. Univ. of California Medical Center, School of Public Health, Los Angeles, CA 90024; J. S. Felton, M.D.

To study *employer practices* and problems as a means toward increasing employment opportunities for *paraplegics*.

RD-332 (59-3).* MULTIDISCIPLINARY STUDY OF POSTTRAUMATIC SYNDROME. Temple Univ. Medical Center, Broad St. and Montgomery Ave., Philadelphia, PA 19122; A. H. Auerbach, M.D.

To collect and study medical, social, and psychological factors found in *posttraumatic syndrome* in order to develop more effective treatment and vocational rehabilitation techniques.

RD-492 (60-3).* VOCATIONAL REHABILITATION FOLLOWING CEREBROVASCULAR ACCIDENTS. Harvard Univ., Cambridge, MA 02138; William H. Timberlake, M.D.

To develop methods for selecting vocationally retrainable *stroke patients* and to investigate ways in which *community resources* can be *coordinated* to enhance physical and psychological gains after placement.

RD-509 (60-3).* SPECIALIZED PLACEMENT OF QUADRIPLEGICS AND OTHER SEVERELY DISABLED. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To study the effectiveness of *intensive counseling* in the vocational *placement of quadriplegics* and others with severe neuromuscular disabilities for whom employment had previously been considered impossible.

RD-548 (60-4).* SPINAL CORD DYSFUNCTION. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Bruce Grynbaum, M.D.

A comprehensive *followup study* on the clinical, psychosocial, and vocational aspects of problems associated with *spinal cord dysfunction*.

RD-554 (60-4).* THE EFFECTIVENESS OF HABILITATIVE AND REHABILITATIVE PROCEDURES AFTER STEREOTAXIC CEREBRAL SURGERY UPON INDIVIDUALS VOCATIONALLY HANDICAPPED BY CERTAIN DYSKINESIAS. Mount Zion Hospital and Medical Center, 1600 Divisadero St., San Francisco, CA 94115; B. Feinstein, M.D.

To study the clinical effects of stereotaxic cerebral surgery in combination with rehabilitation services and case selection factors, particularly for OASI benefit applicants, in the rehabilitation of persons disabled by certain dyskinesias such as *Parkinsonism*.

RD-562 (60-1).* THE PHYSICAL, PSYCHO-SOCIAL, AND VOCATIONAL PROGNOSIS IN CONGENITAL PARAPLEGIA DUE TO SPINA BIFIDA CYSTICA. Univ. of Virginia, Charlottesville, VA 22903; J. Hamilton, M.D.

To study the physical, psychosocial, and vocational adjustment in *congenital paraplegics* due to *spina bifida cystica* and associated malformations.

RD-572 (60-3).* ENERGY EXPENDITURE AND WORK TOLERANCE STUDIES IN PATIENTS WITH HEMIPLEGIA AND RELATED TYPES OF CARDIOVASCULAR IMPAIRMENT. Univ. of California, San Francisco, CA 94122; Gregory Bard, M.D.

To study *energy expenditure* and work tolerance during the rehabilitation of patients with *hemiplegia* and related types of impairment.

RD-599 (60-3).* FOLLOW-UP STUDIES ON THE REHABILITATION OF PARKINSONIANS SUBJECTED TO CHEMOSURGERY. St. Barnabas Hospital, 183rd St. and

Third Ave., New York, NY 10057; I.S. Cooper, M.D.

To investigate the vocational rehabilitation and self-care potential of approximately 900 *Parkinsonian* patients who have received chemosurgery as well as postoperative medical, social, psychological, and vocational services.

RD-665 (61-4).* BRAIN-DAMAGED CHILDREN: A MODALITY-ORIENTED EXPLORATION OF PERFORMANCE. New York Medical College, Flower-Fifth Avenue Hospital, 5th Ave. and 105th St., New York, NY 10029; Cynthia P. Deutsch, Ph.D.

To evaluate a method of *predicting* the response of the *brain damaged* to *special training techniques* which would have application in vocational counseling.

RD-822-M (62-4).* COMPREHENSIVE CARE OF THE CHILD WITH SPINA BIFIDA MANIFESTA. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Chester A. Swinyard, M.D.

To study the medical, educational, and psychosocial problems of *spina bifida* patients and their vocational rehabilitation potential.

RD-882-G (64-2).* SERVICE NEEDS OF PARAPLEGICS AND QUADRIPLEGICS. Natl. Paraplegia Foundation, 333 North Michigan Ave., Chicago, IL 60601; Donald P. Spangler, Ph.D.

To identify *paraplegics* in three selected States, *assess* their current rehabilitation *needs* that are unmet by available services, and determine *methods of improving services* to this disability group.

RD-925-M (62-2).* THE DEVELOPMENT OF A TIMER FOR TRAINING OF A PARAPLEGIC. Woodrow Wilson Rehabilitation Center, Fishersville, VA 22937; Roy M. Hoover, M.D.

To evaluate the efficiency of an interval *timing device* to remind disabled persons with *body anesthesia* to shift position in order to allow improved circulation.

RD-975-G (62-2).* TRIARYL-PHOSPHATE POISONING IN MOROCCO, 1959: EXPERIENCES AND FINDINGS. American National Red Cross, Natl. Headquarters, Washington, DC 20006; James H. Pert, M.D.

An evaluation of various methods employed in the rehabilitation of 10,000 persons who had been *poisoned* by the use of *adulterated oil*, resulting in *peripheral neuritis*.

RD-1142-M (63-3).* BIOCHEMICAL AND PHYSIOLOGICAL RESEARCH IN NEUROMUSCULAR DISEASE WITH SPECIAL REFERENCE TO REHABILITATION. The Research Foundation, State Univ. of New York, 450 Clarkson Ave., Brooklyn, NY 11203; Joseph G. Benton, M.D.

To study fundamental mechanisms in *nerve and muscle physiology* in order to develop new approaches and techniques in the treatment of related diseases.

RD-1144-M (63-3).* METABOLISM AND PHYSIOPATHOLOGY OF SPINAL CORD INJURY. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 44122; Olgierd Lindan, M.D.

To develop a multidisciplinary investigation into the *metabolism and physiopathology* of *quadriplegia and paraplegia* following spinal cord transection.

RD-1196-M (63-1).* SENSORY AND MOTOR TASK EVALUATION DURING REHABILITATION. New York Medical College, One East 106th St., New York, NY 10029; Milton Lowenthal, M.D.

To develop *tests* on changes in *neurological functioning* for evaluation of persons undergoing rehabilitation and to compare these to *clinical measures and ADL ratings*. See also RD-1372.

RD-1208-M (63-1).* PERIPHERAL NERVE REGENERATION USING NERVE GRAFTS. Univ. of California, 405 Hilgard Ave., Los Angeles, CA 90024; Leonard Marmor, M.D.

To study the feasibility of establishing a *peripheral nerve graft bank* for use in the rehabilitation of disabled persons with severe *nerve injuries*.

RD-1209-M (63-3).* SIGNIFICANCE OF RESPIRATORY IMPAIRMENTS IN HEMIPLEGICS. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Albert Haas, M.D.

A study of the significance of *respiratory impairments* on the vocational rehabilitation potentials of *hemiplegics*.

RD-1210-M (63-5).* INTERVAL MEASUREMENTS APPLIED TO SKELETAL MOTOR UNITS. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 Imperial Highway, Downey, CA 90242; Robert B. Pearson, M.D.

To observe and measure the rate of *behavior of motor neurons* and to assess the application of this information as a diagnostic method in the rehabilitation of persons with certain *neuromuscular disabilities*.

RD-1268-M (64-3).* ROLE OF VARIOUS PHYSIOLOGICAL FACTORS IN THE OCCURRENCE AND MODIFICATION OF HUMAN SPASTIC STATES. Univ. of California Medical Center, Biomechanics Laboratory, San Francisco, CA 94122; William Bierman, M.D.

To study *physiological factors* in the occurrence and modification of human *spastic* states and the applicability of this information in the development of improved therapeutic rehabilitation methods.

RD-1271-M (64-1).* DEVELOPMENT OF AN IMPLANTABLE, EXTERNALLY CONTROLLED STIMULATOR FOR THE

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TREATMENT OF CHRONIC CORD BLADDER IN PARAPLEGIC PATIENTS. Maimonides Hospital of Brooklyn, 4802 Tenth Ave., Brooklyn, NY 11219; A. Kantrowitz, M.D.

To develop a method of completely *emptying the chronic cord bladder* in *paraplegics*.

RD-1274-M (64-5). BILATERAL PARKINSONISM: NEUROSURGICAL REHABILITATION. St. Barnabas Hospital, 183rd St. and 3rd Ave., New York, NY 10057; I. S. Cooper, M.D., and Manuel Riklan, Ph.D.

To demonstrate a *multidisciplinary* approach in the rehabilitation of *Parkinson* patients who have had bilateral basal ganglia surgery.

RD-1358-M (64-3).* EVALUATION AND REHABILITATION OF THE PARALYZED URINARY BLADDER. Duke Univ. Sch. of Medicine, Durham, NC 27706; James F. Glenn, M.D.

To develop effective *bladder stimulation techniques* through a program of equipment analysis, experimental procedures, and clinical trials.

RD-1364-M (65-2).* AFFERENT INFLUENCES ON ORGANIZATIONAL PATTERN OF SPINAL CORD. New York Medical College, New York, NY 10029; Osvaldo Miglietta, M.D.

To study *changes in the reflex excitability of the spinal cord* in patients with *upper motor neuron lesions*, including the effect of cold in order to improve diagnostic and therapeutic approaches in these disorders.

RD-1396-P (64-3).* PAIRED-ASSOCIATE LEARNING, VERBAL CONDITIONING, AGING AND BRAIN-DAMAGE. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Jacob L. Halberstam, Ph.D.

To study *learning ability* in *elderly or brain damaged* patients in order to relate such ability to rehabilitation success.

RD-1495-M (64-5). A STUDY OF PHANTOM AND SOMATIC SENSATIONS IN PARAPLEGIA, QUADRIPLEGIA, AND AMPUTATIONS. Albert Einstein College of Medicine, Yeshiva Univ., 110 West 57th St., New York, NY 10461; Sidney Weinstein, Ph.D.

To study the concomitants of *phantom and somatic sensation* in patients with various *neurological or structural impairments*.

RD-1614-M (65-3).* STUDY OF THE ELECTRICAL CHARACTERISTICS OF SINGLE MUSCLE FIBER IN NEUROMUSCULAR DISEASE. Massachusetts General Hospital, Fruit St., Boston, MA 02114; Donald S. Pierce, M.D.

To study the *electrical characteristics of single motor units and single muscle fibers* in neuromuscular diseases.

RD-1823-M (65-1).* THE NEUROGENIC BLADDER. Duke Univ. Sch. of Medicine, Durham, NC 27706; Saul Boyarsky, M.D.

To hold a conference on research in *neurogenic bladder* diseases.

RD-1860-G (66-3). TO DETERMINE THE EXTENT TO WHICH QUADRIPLEGICS MAY BE VOCATIONALLY PRODUCTIVE. Texas Rehabilitation Center, Gonzales Warm Springs Foundation, Gonzales, TX 78629; Robert M. Izard, M.D.

To demonstrate the extent to which *quadriplegics* can be made *self-supporting* if optimum opportunity for development of their vocational skills is provided in a *residential workshop setting* offering necessary medical care, able-bodied assistance, and suitable social living.

RD-1862-M (66-1).* THE CORRELATION OF ALTERED SYMPTOMS AND FUNCTIONAL REHABILITATION IN PARKINSON'S DISEASE. Duke Univ., Durham, NC 27706; B. S. Nashold, Jr., M.D., and John D. Riebel, R.P.T.

To evaluate the effectiveness of appropriate *medical and surgical therapies* as a means of rehabilitating *people with extrapyramidal muscular rigidity or tremor*.

RD-1863-M (66-3).* SPASTICITY, RIGIDITY AND CONTRACTURE: A SYSTEMATIC STUDY OF PATHOPHYSIOLOGY AND OBJECTIVE METHODS OF EVALUATION. Albert Einstein College of Medicine, Morris Park Ave., New York, NY 10461; Richard M. Herman, M.D.

To study the nature of *spasticity, rigidity, and contracture by modern instrumentation* to develop an objective method for evaluating the effectiveness of physical, pharmacological, and surgical treatment methods in patients with disabling spasticity and rigidity.

RD-1866-M (66-3).* BASIC AND CLINICAL ELECTROPHYSIOLOGY OF THE NEUROMUSCULAR JUNCTION. Univ. of Virginia, Charlottesville, VA 29903; T. R. Johns, M.D.

To determine the location and type of defect in myasthenia gravis and similar myopathies--the first phase in establishing the pathological physiology of various *disorders of the motor unit*.

RD-1870-M (66-3). ANATOMICO-PHYSIOLOGIC CORRELATION OF THALMIC PROJECTIONS TO MOTOR CORTEX. Univ. of Virginia, Charlottesville, VA 22903; George R. Hanna, M.D.

To investigate the precise distribution of *fiber projections* of the ventro-lateral *thalamic nucleus to motor cortex* in experimental animals--the first phase in a continuing study of motor systems to increase understanding needed to *improve the management and rehabilitation of persons* suffering from brain damage or diseases of the nervous system.

RD-1871-M (66-4).* BODY COMPOSITION DETERMINATION ON PARALYTIC PERSONS. Baylor Univ. College of Medicine, 1200 Moursund Ave., Houston, TX 77025; David Cardus, M.D.

To study the effect of *paralysis* of the human body, and to provide data that will serve as a basis for the study and interpretation of body composition changes in patients bedridden from chronic illness not accompanied by paralysis.

RD-1890-P (66-2).* FEEDBACK AND CONTROL SYSTEMS IN SPATIALLY ORIENTED BEHAVIOR. 2 vols. Trustees of Tufts College, Ballou Hall, Tufts Univ., Medford, MA 02155; Sanford J. Freedman, Ph.D.

To conduct basic studies in *sensori-motor coordination*; to study the *plasticity and the limits* for *visual-motor, auditory-motor, and kinesthetic-motor coordination* in man. See also RD-1688; RD-2092.

RD-1943-M (66-3).* CENTRAL AND PERIPHERAL NERVE REGENERATION. Univ. of California at L.A., 405 Hilgard Ave., Los Angeles, CA 90024; Leonard Marmor, M.D.

(1) To carry out additional experiments on *peripheral nerve grafting*, studying factors which inhibit functional return and attacking these mechanisms, and (2) to carry out work on *spinal cord regeneration* through reduction of scar and insuring that axons bridge the lesion.

RD-1990-M (66-3).* NEUROMUSCULAR RESPONSES AND WORK SAMPLES AS PREDICTORS OF JOB PERFORMANCE. Univ. of California at L.A., 405 Hilgard Ave., Los Angeles, CA 90024; William E. Fowler, Jr., M.D.

To define the *neuromuscular factors* which are important for various types of tasks in the disabled and to develop *predictive laboratory tests* for these factors.

RD-1993-M (66-3).* ALTERATIONS IN THE PHYSIOLOGY OF VOIDING FOLLOWING NERVE INJURY. New England Medical Center Hospitals, 171 Harrison Ave., Boston, MA 02111; Henry M. Wise, Jr., M.D.

To record and analyze *alterations* in the *physiology* of the *urinary bladder* in patients with *neurologic disease or injury* and to evaluate the mechanical effect of various medical and surgical techniques.

RD-2092-P (66-1).* THE NEUROPSYCHOLOGY OF SPATIALLY ORIENTED BEHAVIOR. Trustees of Tufts College, Ballou Hall, Tufts Univ., Medford, MA 02155; S. J. Freedman, Ph.D.

To hold a *conference* on the neuropsychology of *perceptual-motor processes* and relationship to rehabilitation problems in *hemiplegia*. See also RD-1688; RD-1890.

RD-2114-M (66-3).* REGIONAL SPINAL CORD INJURY REHABILITATION CENTER. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Vernon L. Nickel, M.D.

To demonstrate the value and function of a *regional rehabilitation center for spinal cord injured* persons. See also RD-1669.

RD-2152-M (66-3). CONTROL OF MOVEMENT IN HEMIPLEGIA. Stanford Univ., Stanford, CT 94304; A. M. Iannone, M.D.

To investigate two determinants to patterned *peripheral motor activity* in normal and *hemiplegic* individuals.

RD-2176-M (66-1).* CONFERENCE ON RESEARCH NEEDS IN REHABILITATION OF PATIENTS WITH STROKE. Commercial ed. *Stroke Rehabilitation: Basic Concepts and Research Trends*. Texas Inst. for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77025; W. A. Spencer, M.D.

To conduct a *research conference* on the rehabilitation of persons with *stroke*.

RD-2215-M (67-3).* CONTROLLED EVALUATION OF PERCEPT-CONCEPT MOTOR TRAINING THERAPY AFTER STROKE RESULTING IN LEFT HEMIPLEGIA. Rehabilitation Inst., 261 Mack Blvd., Detroit, MI 48201; Joseph N. Schaeffer, M.D.

To evaluate and refine *remedial training techniques* for residual deficits in sensory, perceptual, conceptual, and motor function *after stroke resulting in left hemiplegia*.

RD-2230-M (67-3). A STUDY OF RESPIRATORY FUNCTION IN CLINICAL AND EXPERIMENTAL HEMIPLEGIA. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Albert Haas, M.D.

To determine by laboratory and clinical investigation the effect of *continuous oxygen therapy* on patients with *cerebrovascular accidents*.

RD-2232-M (67-2).* ACTION OF COLD AND ULTRASOUND IN SPASTICITY AND DIFFERENTIAL CHARACTERISTICS OF PERIPHERAL NERVES. New York Medical College, One East 106th St., New York, NY 10029; Osvaldo Miglietta, M.D.

To clarify and define the *action of cold in spasticity;* evaluate *therapeutic effect of ultrasound* in spasticity; explore *characteristics* of the peripheral nerves in upper and lower extremities.

RD-2282-M (66-1).* SOME QUANTITATIVE FEATURES OF INVOLUNTARY MOVEMENT. Long Island Jewish Hospital, Queens General Hospital, 82-68 164th St., Jamaica, NY 11432; A. J. Berman, M.D.

A pilot investigation of the *functional relationships* between *motor performance* and the *physical requirements of motor (tracking) tasks;* more specifically, the ability of patients with

certain disabling conditions to utilize cutaneous and proprioceptive cues.

RD-2317-G (67-1).* THE CARE AND PREVENTION OF INJURIES TO INSENSITIVE FEET. Louisiana State Univ. and A & M College, Baton Rouge, LA 70803; F. A. Drury, Ph.D., J. K. Nelson, Ed.D, and J. C. McCullough.

To formulate, test, and evaluate *educational methods and materials* which can be used in the instruction of leprosy patients, here and abroad, in how best to *live productively with leprosy*. See also RD-2596.

RD-2355-P (67-4).* HYBRID COMPUTER FEEDBACK ANALYSIS OF BODY MOTIONS. Univ. of Wisconsin, 750 University Ave., Madison, WI 53706; Karl U. Smith, Ph.D.

A research on the *feedback mechanism of behavior*.

RD-2366-M (67-1).* THE DEVELOPMENT OF A STUDY FOR PATIENT EVALUATION IN CEREBRAL PALSY. American Academy for Cerebral Palsy, 1520 Louisiana Ave., New Orleans, LA 70115; Henry H. Banks, M.D.

A pilot project to develop plans and test the feasibility of a *longitudinal study of cerebral palsy*, including definition of prognostic signs and appraisal of therapeutic regimens.

RD-2397-M (67-1).* TREATMENT OF BRAIN INJURED CHILDREN. Univ. of Pennsylvania Sch. of Medicine, Philadelphia, PA 19104; Burton S. Rosner, Ph.D.

A pilot project to investigate the feasibility of a controlled study of different methods of treating *brain-injured children*.

RD-2400-M (67-1).* SENSORY-MOTOR RETRAINING OF THE HEMIPLEGIC HAND. Rehabilitation Inst. of Chicago, 401 East Ohio St., Chicago, IL 60611; Herman Weiss, M.D.

A pilot project to test the effectiveness of repetitive stimulation in the *sensory-motor retraining* of the *hemiplegic hand* in a select group of stroke patients.

RD-2433-M (67-2). METHOD OF STUDYING PATIENTS WITH NEUROGENIC BLADDER BY MEASURING AND/OR OBSERVING URETHRAL RESISTANCE TO OUTFLOW, ACTIVITY OF THE URINARY SPHINCTER AND THE CONFIGURATION OF THE LOWER URINARY TRACT (AVOIDING CYSTOURETHROGRAPHY) WHICH YIELDS INFORMATION APPLICABLE TO THE SURGICAL AND PHARMACOLOGIC TREATMENT OF THE DYSFUNCTION. Moss Rehabilitation Hospital, 12th St. and Tabor Road, Philadelphia, PA 19141; Morton Bogash, M.D.

To study *neuromuscular disfunction of the bladder* in patients with *cerebrovascular accidents* and *spinal cord injuries* and apply information obtained to treatment of urologic disabilities.

RD-2435-M (67-3). SYSTEMIC EFFECTS OF BLADDER ACTIVITY AFTER STROKE. Albert Einstein College of Medicine, Morris Park Ave., New York, NY 10461; Heinz I. Lippmann, M.D.

To study the systemic effects of *bladder activity* in *hemiplegics*.

RD-2456-M (67-3). EFFECTS OF PHYSICAL AGENTS ON PERIPHERAL NERVE. Albert Einstein College of Medicine, 1300 Morris Park Ave., New York, NY 10461; Robert Byck, M.D.

To conduct neurophysiological and neuropathological studies which will determine the *effects of physical agents on peripheral nerves*, especially in alleviating *spasticity*.

RD-2467-P (67-3). AMELIORATION OF THE MINIMAL BRAIN DAMAGE SYNDROME. Northwestern Univ. Medical School, Dept. of Neurology and Psychiatry, 303 East Chicago Ave., Chicago, IL 60611; George K. Yacorzynski, Ph.D.

To demonstrate the effect of appropriate *maternal attitudes* on the *parent-child relationship* in reduction of neurological, electroencephalographic, intellectual, and behavioral manifestations of the "*perceptual handicap syndrome*" or of the "*minimal organic brain damage syndrome*."

RD-2529-M (68-3). MANAGEMENT OF SPASTICITY BY PERIPHERAL PHENOL NERVE BLOCKS. Rehabilitation Inst. of Chicago, 401 East Ohio St., Chicago, IL 60611; Henry B. Betts, M.D.

To study more extensively the effectiveness of *peripheral phenol nerve blocks* in managing spasticity.

RD-2533-P (67-3). CLASSICAL AND INSTRUMENTAL CONDITIONING - ELDERLY AND BRAIN DAMAGED. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; J. L. Halberstam, Ph.D.

To investigate the physiological and behavior *learning capacities of elderly* and *brain-damaged* persons as related to performance in a rehabilitation training program.

RD-2577-M (68-1).* A COMPREHENSIVE STROKE REHABILITATION PROGRAM IN SELECTED GENERAL HOSPITALS. Chicago Heart Assn., 22 West Madison Ave., Chicago, IL 60602; Edward E. Gordon, M.D.

To develop and implement a comprehensive *stroke* rehabilitation program in selected *community general hospitals*.

RD-2584-S (68-1). THE INNER WORLD OF APHASIA. Film. Western Reserve Univ., Cleveland, OH 44106; Leonard Pearson, Ph.D.

To produce the *film* "The Inner World of Aphasia."

RD-2590-G (68-3). PUBLIC EDUCATION AND INFORMATION CONCERNING LEPROSY REHABILITATION/RESEARCH UTILIZATION. Leonard Wood Memorial, 79 Madison Ave., New York, NY 10016; Donald V. Wilson.

To develop a better understanding of *leprosy* and action to be taken concerning treatment, research, prevention, and rehabilitation.

RD-2596-G (68-2). DEVELOPMENT OF HEALTH EDUCATION PROGRAM FOR LEPROSY PATIENTS. Louisiana State Univ., Baton Rouge, LA 70803; Francis A. Drury, Ph.D., Jack K. Nelson, and John Burke.

To continue the development of a *health education program for leprosy patients* initiated under RD-2317-G.

RD-2612-MPO (68-3). INVESTIGATION OF ELECTRONIC SYSTEMS FOR NEUROMUSCULAR DISABILITIES. Attending Staff Assn., Rancho Los Amigos Hospital, 12826 Hawthorn St., Downey, CA 90242; Worden Waring, Ph.D.

To investigate the development and use of *special devices to improve the functioning* of persons with *neuromuscular disabilities*.

RD-2637-MPO (68-1). EVALUATION OF A REDUCED GRAVITY SIMULATOR FOR EARLY AMBULATION OF THE DISABLED. Texas Inst. for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77025; Carlos Vallbona, M.D.

To conduct *physiological studies and functional independence* tests in patients with *neuromuscular disabilities* in a Reduced Gravity Simulator.

RD-2661-M (68-3). SELF CARE PROBLEMS IN HEMISPHERIC BRAIN DAMAGE: A BASIS FOR REHABILITATION PROGNOSIS. University Hospital, 750 Harrison Ave., Boston, MA 02118; Murray M. Freed, M.D.

To determine the nature of dressing and grooming problems of *hemispheric brain-damaged* patients from a neurologic aspect in order to prognosticate the *functional outcome of therapy* on an immediate and long-term basis.

RD-2666-P (68-3). STUDIES IN COGNITION AND REHABILITATION OF HEMIPLEGICS. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Leonard Diller, Ph.D.

To carry out *programmatic* studies in *cognition* and rehabilitation of individuals with *hemiplegia*.

RD-2685-M (68-5). THE REHABILITATION OF PATIENTS WITH POOR IMPULSE CONTROL AND TEMPORAL LOBE SEIZURES. Harvard Medical School, 26 Shattuck St., Boston, MA 02115; Vernon H. Mark, M.D.

To attempt to rehabilitate patients with *temporal lobe seizures* and *uncontrolled impulse disorders* by surgical implantation of temporal lobe electrodes augmented by intensive vocational rehabilitation services.

RD-2701-M (68-1).* WORKSHOP ON OPTIMAL CARE FOR THE NEUROGENIC BLADDER PATIENT. Duke Univ. Medical Center, Durham, NC 27706; Saul Boyarksy, M.D.

A pilot project to develop a workshop demonstrating *optimal care* of the *neurogenic bladder patient*.

RD-2716-M (68-1).* CLINICAL AND VOCATIONAL USEFULNESS OF NEUROMUSCULAR MEASURES IN HEMIPLEGIA AND QUADRIPLEGIA. Baylor Univ. College of Medicine, 1200 Moursund Ave., Houston, TX 77025; Lewis A. Leavitt, M.D.

A pilot project to validate a new measuring technique for *muscle tonus*. See also RD-2856.

RD-2732-M (68-1).* ELECTROMYOGRAPHY AND MUSCLE BIOPSY IN THE DIAGNOIS OF THE NEUROMUSCULAR DISEASES. Univ. of Puerto Rico, Sch. of Medicine, San Juan, PR 00922; Carlos T. Armstrong Ressy, M.D.

To prepare a scientific exhibit to illustrate the *correlation between electromyographic findings and muscle biopsy findings* in the diagnosis of different *neuromuscular diseases*.

RD-2792-M (68-1). PLANNING CONFERENCE FOR REGIONAL SPINAL CORD INJURY CENTERS. Attending Staff Assn., Rancho Los Amigos Hospital, 12826 Hawthorn St., Downey, CA 90242; Vernon Nickel, M.D.

To hold a *conference* to *plan* for the creation of a network of regional *spinal cord injury centers*.

RD-2817-M (68-3). STUDY OF THE REGENERATIVE POTENTIAL OF THE MAMMALIAN SPINAL CORD AND PERIPHERAL NERVOUS SYSTEM. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; James B. Campbell, M.D.

To evaluate the regenerative potential of the mammalian *spinal cord* with the goal of devising new therapeutic approaches to paralysis.

RD-2856-M (68-3). CLINICAL AND VOCATIONAL USEFULNESS OF NEUROMUSCULAR MEASURES IN HEMIPLEGIA AND QUADRIPLEGIA. Baylor Univ. College of Medicine, 1200 Moursund Ave., Houston, TX 77025; Lewis A. Leavitt, M.D.

To perform programmatic research centering around the core area of *developing and applying neuromuscular function* measures to the clincial and vocational rehabilitation of *hemiplegia and quadriplegic* patients. See also RD-2716.

RD-2924-P (69-3). INTELLIGENCE TEST MODIFICATIONS OF HANDICAPPED AND NON-HANDICAPPED CHILDREN. San Diego State College Foundation, San Diego State College, San Diego, CA 92115;

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Jerome M. Sattler, Ph.D.
To evaluate the effects of *intelligence test modifications* on handicapped and nonhandicapped children, including the *cerebral palsied*.

RD-2936-MPO (69-3). NEUROMOTOR CONTROL SYSTEMS: A STUDY OF PHYSIOLOGICAL AND THEORETICAL CONCEPTS LEADING TO THERAPEUTIC APPLICATION. Moss Rehabilitation Hospital, 12th St. and Tabor Road, Philadelphia, PA 19141; Richard B. Herman, M.D.
To develop *electromechanical analogs* of normal and abnormal muscles; to isolate *abnormal motor control* factors in subjects with movement disorders; to test the effects of various current therapies on *motor control systems*; to develop new training and learning methods for patients with *neuromotor dysfunctions*.

RD-3016-G (69-3) TO IDENTIFY AND EVALUATE DISABILITIES OF LEPROSY PATIENTS IN TEXAS, AND TO UTILIZE EXISTING VOCATIONAL REHABILITATION SERVICES. Texas State Dept. of Health, 1100 West 49th St., Austin, TX 78756; M. S. Dickerson, M.D.
An examination and evaluation of all known cases of *leprosy* in Texas.

RD-3140-P (69-2). REMEDIATION OF DEFICITS IN YOUTH WITH CEREBRAL DYSFUNCTION. The Devereux Foundation, Devon, PA 19333; Henry Platt, Ph.D.
To refine an *assessment chart for coordination deficits in youth with cerebral dysfunctions* and to institute corrective exercise designed to remediate these deficits.

RD-3146-P (69-3). PSYCHOLOGICAL ASSESSMENT OF PATIENTS WITH BRAIN DAMAGE. Univ. of Oregon, Eugene, OR 97403; Peter M. Lewinsohn, Ph.D.
To develop methods for *assessment of the psychological effects of brain damage* and to demonstrate the utility of the information obtained from such techniques in the vocational rehabilitation of patients with brain damage.

RC-26-G (64-1).* THE DOOR IS OPEN. Plays for the Living, Family Service Assn. of America, 44 East 23rd St., New York, NY 10010; Clare M. Tousley.
To develop an educational and informative *theatrical production* demonstrating the effectiveness of the rehabilitation process in the *vocational rehabilitation of stroke patients*. See also RD-2309.

RC-51-MPO(68-1). DETECTION AND PREDICTION OF EPILEPTIC SEIZURES. Douglas Missile and Space Systems Division, Astropower Laboratory, Douglas Aircraft Co., Inc., Newport Beach, CA 92660; Sam I. Viglione.
To demonstrate an *automatic electrical device to predict* the approach of an epileptic seizure.

RD-37 (55-5).* WORK SIMPLIFICATION IN CHILD CARE: TEACHING MATERIALS FOR THE REHABILITATION OF PHYSICALLY HANDICAPPED HOMEMAKERS. Commercial ed. *Homemaking for the Handicapped*. Univ. of Connecticut, Storrs, CT 06268; Elizabeth E. May, Ed.D.

To facilitate the rehabilitation of orthopedically *handicapped homemakers* by developing simplified *methods and equipment* for performing the activities required in the *care of young children*.

Spec. repts. 1. *Play Experiences Handicapped Mothers May Share With Young Children*. 2. *Where There's a Will....* 3. *Suggestions for Physically Handicapped Mothers on Clothing for Preschool Children* (contains reference material supplement). 4. *You Can Do Family Laundry--With Hand Limitations*. 5. *The Team Approach to the Rehabilitation of the Handicapped Homemaker: Workshop Proceedings*. 6. *Child Care Equipment for Physically Handicapped Mothers*. 7. *Bibliography on HomeManagement: Work Simplification for Handicapped Homemakers*. 8. *Bibliography in Child Development for Handicapped Homemakers*. 9. *Bibliography on Work Simplification in Food Preparation for Handicapped Homemakers*.

RD-189 (57-2).* FOLLOW-UP STUDY OF AMPUTEES SERVED BY A PROSTHETIC TEAM. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; A. S. Russek, M.D.

To determine the effectiveness of modern *prosthetic team* procedures through a *followup study* of the experiences, problems, and needs of former *amputee* patients.

RD-199 (58-3).* REGIONAL PROSTHETIC INSTITUTE. Rehabilitation Inst. of Chicago, 401 East Ohio St., Chicago, IL 60611; Joseph H. Chivers, M.D.

To establish a *regional facility* to serve the needs of *amputees* and other disabled persons from a number of States who require specialized prosthetic services.

RD-216 (58-5).* THE UNIVERSITY OF MICHIGAN ORTHETICS RESEARCH PROJECT. Univ. of Michigan Research Inst., Ann Arbor, MI 48103; J. W. Rae, Jr., M.D.

To study the design prescription and use of *adaptive or assistive devices* in the treatment and vocational rehabilitation of severely handicapped persons.

Spec. repts. 1. *A Rationale for the Design, Construction, and Prescription of Orthetic Devices for Persons With Disabilities Affecting Function of the Upper Extremities*. 2. *Dynamic Analysis of the Upper Extremity for Planar Motions*.

Tech. repts. 1. *Analysis of Design Bases for Upper-Extremity Orthoses*. 2. *Gas-Liquid Pressure Transmitter*. 3. *Design Features of the Michigan Feeder - A Preliminary Report*. 4. *Theory of Function of the Michigan Feeder*. 5. *Characteristics of the Braided Fluid Actuator*. See also RD-1527.

RD-261 (57-1).* HEIDELBERG UPPER EXTREMITY PROSTHESIS RESEARCH PROJECT. Inst. for the Crippled and Disabled, 400 First Ave., New York, NY 10009; James N. Burrows.

To develop a research program for the improvement of *pneumatic powered devices* for *upper extremity* disabilities.

RD-262 (58-2).* BIOMECHANICS OF BELOW-KNEE PROSTHETICS. Univ. of California Medical Center, San Francisco, CA 94122; Verne T. Inman.

To study biomechanical problems in the fitting of prostheses to *below knee amputees*.

RD-293 (58-6).* PNEUMATIC UPPER EXTREMITY PROSTHETIC RESEARCH PROJECT. American Inst. for Prosthetic Research, 400 First Ave., New York, NY 10010; Henry H. Kessler, M.D.

To develop and improve *pneumatic powered* devices for use with *upper extremity appliances and braces*.

RD-390 (59-5).* FOLLOW-UP STUDY ON ORTHOPEDIC PATIENTS REFERRED BY VOCATIONAL REHABILITATION. Medical College of Georgia, Eugene Talmadge Memorial Hospital, Augusta, GA 30902; F. E. Bliven, Jr., M.D.

To evaluate the *effectiveness of medical services* provided persons with orthopedic disabilities in relation to their *vocational adjustment*.

RD-402 (59-4).* THE DEVELOPMENT OF A PSYCHOLOGICAL TEST BATTERY FOR PREDICTING SUCCESS IN PROSTHETIC RESEARCH. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Sidney Fishman, Ph.D.

To develop an *objective personality test* to predict readiness for prosthetic and orthotic rehabilitation.

RD-427 (59-5).* PHYSIOLOGICAL AND EXPERIENTIAL CONCOMITANTS OF THE PHANTOM. Yeshiva Univ., Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., New York, NY 10061; Sidney Weinstein, Ph.D.

To study the phenomenon of *phantom limbs* and appendages as it relates to personal, social and vocational adjustment.

RD-430 (59-3).* FINAL REPORT IN 2 VOLS. 1. PROSTHETIC SERVICES USA, 1961. 2. ORTHOTIC SERVICES USA, 1962. American Orthotics and Prosthetics Assn., 919 18th St. N.W., Washington, DC 20006; LeRoy W. Nattress, Jr.

To determine the *status of prosthetic and orthotic services* currently available in the

rehabilitation of orthopedically disabled persons.

RD-431 (60-2).* THE INFLUENCE OF PROSTHESIS WEARING ON THE HEALTH OF THE GERIATRIC PATIENT. Attending Staff Assn., Los Angeles Co. Hospital, 1200 North State St., Los Angeles, CA 90033; Alonzo J. Neufeld, M.D.

To determine the effects of prosthesis wearing in the rehabilitation of older *amputees with peripheral vascular insufficiency*.

RD-446 (60-4).* STRENGTH MAINTENANCE FOLLOWING SPECIFIC REHABILITATION, VALIDATION OF A SPECIFIC REHABILITATION APPARATUS AND EXERCISE POTENTIAL RELATED TO INJURY POTENTIAL. Commercial ed. *The Knees: Growth, Development, and Activity Influences*. Univ. of Texas, Austin, TX 78712; Karl K. Klein.

To study specific *problems* related to the postoperative and postinjury *rehabilitation of the knee*.

RD-454 (60-3).* MANAGEMENT AND UTILIZATION OF A PROSTHETICS AND ORTHOTICS EXHIBIT. American Board for Certification of the Prosthetic and Orthopedic Appliance Industry, 919 18th St. N.W., Washington, DC 20006; LeRoy W. Nattress, Jr.

To develop an information and educational *exhibit* demonstrating prosthetic and orthotic techniques used in this country in the vocational rehabilitation of the orthopedically handicapped.

RD-458 (60-3).* FUNDAMENTAL AND APPLIED PROSTHETICS RESEARCH. Univ. of California Medical Center, San Francisco, CA 94122; Verne T. Inman, M.D.

To develop *improved prostheses* of greater efficiency and new or improved *fitting techniques* in the rehabilitation of *lower extremity amputees*.

Spec. repts. 1. *The Patellar-Tendon-Bearing Below-Knee Prosthesis*. 2. *Edema in Lower-Extremity Amputees*.

RD-459 (60-2).* INVESTIGATION OF POST-TRAUMATIC EPIDERMOID CYSTS. Univ. of California Medical Center, San Francisco, CA 90022; Verne T. Inman, M.D.

An investigation into the cause and treatment of *posttraumatic epidermoid cysts* which increasingly hinder the vocational rehabilitation of leg *amputees*.

Spec. repts. 1. *Stump Hygiene*. 2. *Stump Edema*.

RD-460 (60-3).* ENERGY EXPENDITURE IN CERTAIN TYPES OF DISABILITY. Univ. of California Medical Center, San Francisco, CA 94122; Verne T. Inman, M.D.

To determine *energy expenditure* levels during locomotion in various types of disabilities which will have applicability in the prescribing of rehabilitation treatment, including assistive devices, to minimize the work burden on the disabled person.

RD-497 (60-1).* FINAL REPORT. Crippled Children's Hospital and School, 2500 Block West 26th St., Sioux Falls, SD 57105; E. B. Morrison, Ph.D.

To plan a comparative study of the *social and emotional maturation* of orthopedically handicapped *adolescents* in a residential setting and in family settings in order to meet better the rehabilitation needs of this group.

RD-518 (60-4).* INVESTIGATION OF EXTERNALLY POWERED ORTHOTIC DEVICES. Attending Staff Assn. Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Vernon L. Nickel, M.D.

To investigate and demonstrate sources of *external power* for *upper extremity orthotic* devices.

RD-542 (62-4).* DEVELOPMENT OF EXTERNALLY POWERED UPPER EXTREMITY ORTHOTICS. Baylor Univ. College of Medicine, 1200 M. D. Anderson Blvd., Houston, TX 77025; William A. Spencer, M.D.

To develop and evaluate functional *orthotic* equipment for persons with severe *upper extremity* paralysis and to investigate sources of *external power* for such equipment.

RD-592 (61-4).* AN EVALUATION OF THE ABILITY OF AMPUTEES TO OPERATE HIGHWAY TRANSPORT EQUIPMENT. Harvard Univ., Cambridge, MA 02138; R. A. McFarland, Ph.D.

To evaluate the ability of *amputees* to *operate trucks* or other transport equipment.

RD-692 (61-3).* ANALYSIS AND EVALUATION OF LOWER EXTREMITY ORTHOTIC METHODS. New York Univ. College of Engineering, 252 Seventh Ave., New York, NY 10019; Sidney Fishman, Ph.D.

An investigation of factors which influence functional efficiency and comfort of *leg braces* prescribed for orthopedically disabled persons.

RD-766-M (61-3).* DESIGN AND DEVELOPMENT OF THE CASE RESEARCH ARM-AID. Case Inst. of Technology, University Circle, Cleveland, OH 44106; James B. Reswick, Sc.D.

To determine the feasibility of an *electronic* digitally programmed *control* in *orthoses* and *prostheses* as an aid to the severely disabled.

RD-767-M (61-1).* SYNTHETIC MUSCLE MOTOR DEVELOPMENT. Case Inst. of Technology, University Circle, Cleveland, OH 44106; J. B. Reswick, Sc.D.

To investigate the development of synthetic muscle *motors to power artificial limbs and*

braces used in the rehabilitation of the orthopedically disabled.

RD-808-P (62-3).* INDEPENDENT LIVING: A STUDY OF THE REHABILITATION OF PHYSICALLY HANDICAPPED ADULTS LIVING IN FOSTER HOMES. New York Service for Orthopedically Handicapped, 853 Broadway, New York, NY 10003; Margold V. Nash.

A demonstration and evaluation of the use of *foster homes and housekeeping apartments* in the rehabilitation of persons with severe *orthopedic disabilities* as an alternative to prolonged institutional care.

RD-851-M (62-1).* A HYDRAULICALLY OPERATED ELBOW ORTHESIS. The Eugene duPont Memorial Hospital and Rehabilitation Center, 3506 Kennett Pike, Wilmington, DE 19807; Arthur J. Heather, M.D.

To investigate and develop a *hydraulically operated elbow mechanism* attached to a brace for persons with flail upper extremities due to paralysis.

RD-886-M (62-2).* BODY SEGMENT PARAMETERS. New York Univ. College of Engineering, University Heights, Bronx, NY 10053; Renato Contini and Rudolfs Drillis.

To devise methods and procedures to accurately determine *basic body segment parameters* and develop *uniform data* for use in artificial *limb and brace* research; to employ these methods as a diagnostic tool in physical medicine.

RD-924-M (62-3).* CLINICAL EVALUATION OF EXPERIMENTAL ORTHOTIC DEVICES AND PROCEDURES. Univ. of California Medical Center, San Francisco, CA 94122; Verne T. Inman, M.D.

To determine the validity of *principles of prescription* for new *orthotic devices* which would be used in the rehabilitation of orthopedically handicapped persons.

RD-1015-M (63-3).* SURGICAL REHABILITATION OF ARTHRITIC FINGER JOINTS BY THE USE OF METALLIC PROSTHETIC JOINTS. State Univ. of Iowa, Dept. of Orthopedic Surgery, Iowa City, IA 52240; A. E. Flatt, M.D.

To demonstrate a method of rehabilitation of the hands of *rheumatoid arthritic* patients by use of *hand surgery*, including the replacement of diseased joints by *metallic prostheses*.

RD-1109-M (63-3).* AN ELECTROMYOGRAPHIC AND RHEOLOGIC CORRELATION OF MUSCLES CONTROLLING THE HUMAN HAND. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 44122; Charles Long, M.D.

To study relationship of EMG, torque, and tonus and to define relationship beween *forces* required to *produce motion* and the *electromyographic* output of the *muscles* producing the motion.

RD-1111-M (63-3).* FUNDAMENTAL AND APPLIED PROSTHETICS RESEARCH. Univ. of California Medical Center, San Francisco, CA 94122; Charles W. Radcliffe.

To continue and expand studies to develop *improved prostheses* of greater efficiency and new or *improved fitting* techniques in the rehabilitation of *lower extremity amputees*.

RD-1112-M (63-3).* ENERGY EXPENDITURE IN CERTAIN TYPES OF DISABILITY. Univ. of California Medical Center, San Francisco, CA 94122; Henry J. Ralston, Ph.D.

To determine the *energy expenditure* during *locomotion* of both normal individuals and those with certain types of disabilities.

RD-1120-M (62-3).* A NARRATIVE SUMMARY OF ACTIVITIES AT THE UNIVERSITY OF NORTH CAROLINA HAND REHABILITATION CENTER. Univ. of North Carolina, Chapel Hill, NC 27515; Erle E. Peacock, Jr., M.D.

To provide pre- and post-operative care in cases of restorative *hand surgery* and to evaluate the effect of such care in mobilizing *interphalangeal joint contractures*.

RD-1194-M (63-1).* EVALUATION OF PROSTHETIC DEVICES, TECHNIQUES, AND MANAGEMENT PROCEDURES. New York Univ. College of Engineering, University Heights, Bronx, NY 10453; Sidney Fishman, Ph.D.

To provide systematic and scientific *evaluation of* new or experimental *prosthetic and orthotic devices, techniques, and procedures*. See also RC-10.

RD-1201-M (63-3).* EXTERNALLY POWERED UPPER EXTREMITY PROSTHETIC SYSTEMS: STUDIES OF SENSORY MOTOR CONTROL. Univ. of California, 405 Hilgard Ave., Los Angeles, CA 90024; John Lyman, Ph.D.

To study *arm prostheses* sensory motor control problems, evaluating conventional and externally powered systems in order to advance *engineering design criteria*.

RD-1363-M (64-3).* USE OF TEMPORARY PLASTER OF PLASTIC PYLONS PREPARATORY TO FITTING A PERMANENT ABOVE KNEE OR BELOW KNEE PROSTHESIS. Duke Univ., Durham, NC 27706; J. Leonard Goldner, M.D.

To study fabrication, utilization, and effect of *interim prostheses* in the form of *plaster and plastic pylon* types for above and below knee *amputees*.

RD-1450-G (64-1).* ONE-HANDED AUTOMOBILE CONTROL. George Washington Univ., Washington, DC 20006; Louis De Pian and Thomas Wiggins.

A pilot study to develop a prototype for a *one-handed automobile control*.

RD-1461-M (64-5).* INVESTIGATION OF EXTERNALLY POWERED ORTHOTIC DEVICES. Attending Staff Assn. Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Vernon L. Nickel, M.D.

To develop externally powered *orthotic devices* that will provide severely *paralyzed* persons with voluntary *arm motion* through the entire functional range.

Spec. rept. *Fitting the Rancho Electric Arm and Tongue Switch*.

Film. *The Rancho Electric Arm*.

RD-1463-M (64-2).* BLOOD FLOW STUDIES IN THE REHABILITATION OF INDIVIDUALS WITH AVASCULAR NECROSIS OF THE FEMORAL HEAD. Univ. of Minnesota Medical School, Minneapolis, MN 55455; William J. Kane, M.D.

The evaluation and application of *blood flow* studies in the treatment and rehabilitation of individuals with *avascular necrosis* of the *femoral head*.

RD-1527-M (65-2).* ADVANCED DEVELOPMENT OF UPPER EXTREMITY ORTHESES. Univ. of Michigan Medical Sch., E-3117 University Hospital, Ann Arbor, MI 48103; James W. Rae, Jr., M.D.

To develop significantly improved upper extremity orthoses as well as to design, develop, and evaluate power and control systems for *upper extremity orthotic* devices. See also RD-216.

Tech. repts. 1. *Dynamic Ulnar-Deviation Splint*. 2. *Plastisol Coatings and Application Techniques*.

RD-1564-M (65-3).* DEVELOPMENT OF EXTERNALLY POWERED UPPER EXTREMITY ORTHOTICS. Texas Inst. for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77025; Thorkild Engen.

To develop controllable, *externally powered orthotic systems* for the restoration of purposeful arm and hand functions in *individuals with flaccid and spastic bilateral shoulder, arm, and hand paralysis*.

Spec. rept. *Instruction Manual for Use of the Engen Plastic Hand Orthosis (E.P.H.O.) as Used in a Reciprocal Wrist Extension Finger Flexion Device*.

Film. *An Application of Research in Orthotics*.

RD-1567-M (65-2).* PNEUMATIC PROSTHETIC RESEARCH PROJECT. American Inst. for Prosthetic Research, 400 First Ave., New York, NY 10010; Henry H. Kessler, M.D.

To develop further a *pneumatic arm* for *adults*, including unique valving systems; and to develop and *test externally powered arm prostheses* for preschool children in the 2½ to 5 year age group with congenital arm deficiencies.

RD-1643-M (65-1).* ELECTROMYOGRAPHIC PROSTHETIC CONTROL. Temple Univ. Hospital, 3401 North Broad St., Philadelphia, PA 19140; Bernard Sandler, M.D.

To demonstrate that *electromyographic* signals taken with *surface electrodes* can be utilized for *control of prosthetic limbs*.

Film. *Myoelectric Control of Prosthetics*.

RD-1647-M (65-1).* A RESEARCH PROGRAM TO SELECT PRACTICAL APPLICATIONS OF AEROSPACE AND INDUSTRIAL TECHNOLOGY FOR THE NEEDS OF VOCATIONAL REHABILITATION. Woodrow Wilson Rehabilitation Center, Fishersville, VA 22939; Roy M. Hoover, M.D.

To investigate spin-offs from *aerospace* and other technologies for practical utilization in vocational rehabilitation. See also RD-1961.

RD-1655-M (65-1).* INVESTIGATION OF MYOELECTRIC CONTROL OF FUNCTIONAL BRACES. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Worden Waring, Ph.D.

To plan a study of the *electrical activity of muscles* of disabled persons with preparation for the improvement of *myoelectric control of functional braces*. See also RD-1751.

RD-1672-M (64-1).* PROPOSAL FOR A BIO-MEDICAL PROGRAM ON CYBERNETICS SYSTEMS FOR THE DISABLED. Case Inst. of Technology, University Clinic, Cleveland, OH 44106; James B. Reswick, Sc.D.

A planning project to develop a *biomedical and engineering* research program on means of overcoming *motor* disabilities in man, using a *cybernetic system* approach. See also RD-1814.

RD-1751-M (65-3).* INVESTIGATION OF MYOELECTRIC CONTROL OF FUNCTIONAL BRACES. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Worden Waring, Ph.D.

To explore the problems appearing when *myoelectric control* is applied to *braces or other orthotic devices* of patients having a reduction or absence of some normal abilities and to develop and use myoelectrical control where appropriate for patients with various disabilities. See also RD-1655.

Film. *Myoelectric Control for a Quadriplegic*.

RD-1783-M (65-2).* THE SELECTION OF STUDENTS FOR AN ORTHOTIC-PROSTHETIC TRAINING PROGRAM. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Russell Forney, Ph.D.

To devise a *screening program* for *selecting students* for an *orthotic-prosthetic training*

program based on mechanical aptitude, intellectual capacities, and personality characteristics. See also RD-2505.

RD-1793-M (65-3).* UPPER EXTREMITY PROSTHETICS RESEARCH. Univ. of California, L.A., 405 Hilgard Ave., Los Angeles, CA 90024; Charles O. Bechtol, M.D. and M. N. Anderson, Ed.D.

To *study* use of certain new materials, techniques, and devices and to *prepare* an up-to-date *manual on Upper Extremity Prosthetics*.

RD-1812-M (65-1).* PREPARATION OF A FILM FOR THE PURPOSE OF ASSISTING IN RECRUITING TRAINEES FOR CAREERS AS ORTHOTISTS AND PROSTHETISTS TO SERVE THE NEEDS OF THE ORTHOPEDICALLY DISABLED WITHIN THE UNITED STATES. American Orthotics and Prosthetics Assn., 919 18th St. N.W., Washington, DC 20006; Lester A. Smith.

To prepare a *film* to assist in *recruiting trainees* for careers as *orthotists and prosthetists*.

Film. *Men and Mobility*.

RD-1814-MPO (65-5). A BIO-MEDICAL ENGINEERING PROGRAM ON CYBERNETIC SYSTEMS FOR THE DISABLED. Case Inst. of Technology, University Circle, Cleveland, OH 44106; James B. Reswick, Sc.D.

To develop a *biomedical and engineering* research program on the analysis of *motor disabilities in man* and on the means of overcoming these disabilities by using an approach involving *cybernetic systems*. See also RD-1672.

RD-1865-M (66-2).* ACCELEROGRAPHIC ANALYSIS OF PATHOLOGICAL GAIT. New York Univ., Washington Square, New York, NY 10003; Renato Contini.

To apply the *techniques of accelerometric and harmonic analysis* to the study of *pathological gait* in order to develop objective crieria for *identification* of particular *locomotor disabilities*.

RD-1958-M (66-3).* STUDY OF IMMEDIATE PROSTHESIS FITTING AND EARLY AMBULATION FOLLOWING AMPUTATION IN THE LOWER EXTREMITY. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Allen S. Russek, M.D.

To develop safe *surgical techniques* for *lower extremity amputations* consistent with early ambulation; establish practical design, suspension, and alignment criteria for *immediate prosthetic fitting*; evaluate the *psychological and economic impact* of early ambulation and its effect on vocational potential; prepare a *manual of procedures* for surgery, immediate fitting, and ambulation training principles.

RD-1961-M (66-2).* Final report in 2 vols. 1. RESEARCH AND DEVELOPMENT TO ACCELERATE THE APPLICATION, PRODUCTION, AND EVALUATION OF PROSTHETIC AND ORTHOTIC DEVICES. 2. ADDENDUM: HYDRAULIC BODY-POWERED SYSTEM FOR PROSTHETIC DEVICES. School of Engineering and Applied Science, Univ. of Virginia, Charlottesville, VA 22903; J. Hamilton Allan, M.D.

To apply a *medical-industry* team approach to *accelerate the application and production of prosthetic and orthotic developments* to make new appliances available to patients in the most economical form possible. See also RD-1647.

Spec. repts. 1. *Power Augmentation for Arm Prostheses: Phase I.* 2. *Power Augmentation for Arm Prostheses: Phase II.*

RD-1966-M (65-1).* A STUDY OF IMMEDIATE PROSTHETIC FITTING OF AMPUTEES: UPPER AND LOWER EXTREMITIES. State Board of Vocational and Adult Education, One West Wilson St., Madison, WI 53702; Adrian E. Towne.

A planning grant to study the effects of immediate *postoperative fitting of prostheses* on the vocational rehabilitation of amputees and to *develop criteria for selecting patients* for this procedure.

RD-2136-M (66-1).* THE APPLICATION OF LOWER EXTREMITY ORTHOTICS TO WEIGHT-BEARING RELIEF. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Vernon L. Nickel, M.D.

To demonstrate the effective application of *orthotic devices* in treating incompletely healed *lower extremity fractures* and degenerative *arthritis* of the knee and ankle.

RD-2159-MPO (66-3). ELECTROCHEMICAL MUSCLE STUDIES. Univ. of Virginia, Charlottesville, VA 22903; Fred Gornick.

To carry out studies on *electrochemically controlled contractile polymers* which promise inexpensive and silent *orthotic/prosthetic* actuators which will operate from low voltage electrical power supplies.

Spec. rept. *Electrochemical Muscle Studies.*

RD-2169-MPO (66-3).* MULTIPLE AXIS MYOELECTRICALLY CONTROLLED PROSTHETIC ARM. Temple Univ. Sch. of Medicine, 3401 North Broad St., Philadelphia, PA 19140; Bernard Sandler, M.D.

To develop an *above elbow prosthesis* incorporating myoelectrical control of four externally powered axes providing elbow flexion-extension, shoulder and forearm rotations, and hand movements.

RD-2212-MPO (67-4). REHABILITATION BIOMEDICAL ENGINEERING RESEARCH AND DEVELOPMENT CENTER PROGRAM. Moss Rehabilitation Hospital, 12th St. and Tabor Road, Philadelphia, PA 19141; Leonard D. Policoff, M.D.

To establish a *rehabilitation biomedical engineering research and development center program*. Studies will be conducted in four core areas: *heuristic diagnosis, amplification of functions, neuromuscular reeducation*, and assessment of the *physiology of work*.

RD-2229-MPO (67-3). THE CONTROL OF ADVENTITIOUS BONE FORMATION WITH PLASTIC IMPLANTS. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Ralph Lusskin, M.D.

A basic research to attempt to modify the *healing response* of bone by use of *plastic encasement* and to study other disorders of *excessive bone formation*.

RD-2312-MPO (67-3) DEVELOPMENT OF INSTRUMENTATION FOR INSENSITIVE LIMBS. Louisiana State Univ., Electrical Engineering Dept., Baton Rouge, LA 70803; Eugene F. Tims, D.Sc.

To develop *pressure-sensing equipment* for use with *leprosy patients* to prevent damage to the tissues through excessive pressures.

RD-2324-M (67-1).* FOLLOW-UP STUDY OF THE RESULTS OF CUP ARTHROPLASTY. College of Medicine, Univ. of Iowa, Iowa City, IA 52241; Carroll B. Larson, M.D.

A planning project for a clinical followup study of individuals who had *painful or deformed hips* and have been treated with *cup arthroplasties*.

RD-2333-MPO (67-2). PNEUMATIC PROSTHETIC RESEARCH. American Inst. for Prosthetic Research, 400 First Ave., New York, NY 10010; Harry H. Kessler, M.D., Ph.D.

To produce prototype hardware for the *Upper Extremity Pneumatic Prosthesis* and conduct preliminary *evaluation* of the device in selected *clinical situations*.

RD-2372-MPO (67-3). LOWER EXTREMITY PROSTHETIC AND ORTHOTIC DIAGNOSTIC PROCEDURES. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Walter A. Thompson, M.D. and Sidney Fishman, Ph.D.

A project to develop devices and techniques to facilitate diagnosis of problems and improve fitting of *lower extremity prostheses and orthoses*.

RD-2376-MPO (67-5). APPLICATION OF MEDICAL ENGINEERING TO AUTOMATION OF SELECTED ASPECTS OF PATIENT CARE AND REHABILITATION. Case Western Reserve Univ., Sch. of Medicine, 3901 Ireland Drive, Cleveland, OH 44122; Olgierd Linden, M.D.

To explore and test the advantage to be derived from *automation of hospital nursing care* and from automation of some *rehabilitation procedures* for the paralyzed.

RD-2377-MPO (67-3). MEDICAL ENGINEERING IN THE BASIC AND CLINICAL STUDY OF NORMAL AND ABNORMAL HUMAN MOTION. Case Western Reserve Univ., Sch. of Medicine, 3901 Ireland Drive, Cleveland, OH 44122; Charles Long II, M.D.

To study *human motion*, normal and abnormal, with special emphasis on the *upper extremity and EMG kinesiology*.

RD-2416-M (67-1).* FEASIBILITY STUDY ON APPLICATION OF PNEUMATIC STRUCTURES TO ORTHOTICS. Univ. of California, L.A., 405 Hilgard Ave., Los Angeles, CA 90024; Charles O. Bechtol, M.D. and M. N. Anderson, Ed.D.

A pilot study to test the feasibility of applying the principles of *pneumatic structures to the design and development of braces* for the lower extremity, spine, and upper extremity.

RD-2436-MPO (67-3). ELECTRICAL STIMULATION OF AFFERENT FIBERS AS A MEANS OF REDUCING SPASTICITY. Univ. of California, San Francisco Medical Center, San Francisco, CA 94122; Verne T. Inman, M.D.

To study the effects of *electrical stimulation* on both cutaneous and deep afferent nerve pathways as a means of reducing spasticity.

Spec. rept. *Elicitation of Periods of Inhibition in Human Muscle Stimulation of Cutaneous Nerves*.

RD-2455-MPO (67-3). BODY SEGMENT PARAMETERS (PATHOLOGICAL). New York Univ. School of Engineering and Science, 181st St. and University Ave., Bronx, NY 10019; Renato Contini.

To obtain the *body segment parameters* (volume mass, mass center, and mass moment of inertia) on a representative sample of the population whose body segments have undergone change due to *pathological or traumatic causes*.

RD-2482-MPO (68-4). REHABILITATION OF ELDERLY PATIENTS HAVING HIP SURGERY. Yale Univ. Sch. of Medicine, 333 Cedar St., New Haven, CT 06510; Wayne O. Southwick, M.D.

To analyze the relationship of *social, psychological, and physical factors* to the rehabilitation of *older patients* (65 or over) who have had hip surgery.

RD-2580-MPO (67-3). THE APPLICATION OF LOWER EXTREMITY ORTHOTICS TO WEIGHT BEARING RELIEF. Attending Staff Assn., Rancho Los Amigos Hospital, 12826 Hawthorn St., Downey, CA 90242; Vert Mooney, M.D. and J. P. Harvey, M.D.

To demonstrate the effectiveness of orthotic devices in *lower extremity fracture* care.

RD-2670-MPO (68-3). FUNCTIONAL LONG LEG BRACE RESEARCH. Univ. of California, L.A., 405 Hil-

gard Ave., Los Angeles, CA 90024; Charles O. Bechtol, M.D.

To conduct a program of research and development aimed at *standardizing methods of production and evaluation* in order to bring the *functional long leg brace* system to its optimum benefit for the paralysis patient.

RD-2708-M (68-1).* ENDOSKELETAL UPPER EXTREMITY PROSTHESIS. Univ. of California, L.A., 405 Hilgard Ave., Los Angeles, CA 90024; Charles O. Bechtol, M.D.

A pilot project to investigate the feasibility of making and using *endoskeletal upper extremity prostheses* and to establish guidelines for development.

RD-2722-M (68-L).* HUMAN KNEE MOTION: A PRELIMINARY STUDY. Stanford Univ., Stanford, CA 94305; Peter Z. Bulkeley, Ph.D.

To conduct a pilot project to study *knee motions* and their simulation by *leg brace ortheses*.

RD-2774-MPO (68-1).* REGIONAL CONFERENCE ON RESEARCH UTILIZATION AND COLLABORATIVE OPERATIONAL RESEARCH. Northwestern Univ., 633 Clark St., Evanston, IL 60201; Jack D. Arnold, Ph.D.

To study the applicability of newly developed *techniques and orthotic devices* in a clinical setting and disseminate findings to medical clinicians, practicing orthotists, and student orthotists.

RD-2813-MPO (68-3). KINESIOLOGICAL AND QUANTITATIVE EVALUATION OF PROSTHETIC FIT AND GAIT ANALYSIS IN AMPUTEES AND VOCATIONAL IMPLICATIONS. Baylor Univ. College of Medicine, 1200 Moursund Ave., Houston, TX 77025; Lewis A. Leavitt, M.D.

To develop a method for quantitative and kinesiological evaluation of *prosthetic fit and gait analysis* in above/below knee *amputees* and to apply method in clinical and vocational followup program.

RD-2815-MPO (68-3). EVALUATION OF KNEE STABILITY AND ITS RELATIONSHIP TO KNEE INJURIES. Pennsylvania State Univ., University Park, PA 16802; Chauncey A. Morehouse, Ph.D.

To construct and evaluate an objective *instrument* for measurement of *lateral and anterior stability* of the *knee* in normal subjects; determine effect of vigorous activity on knee stability; and study effects of specific exercises on knee ligament stability.

RD-2816-MPO (68-1).* FINAL NARRATIVE REPORT. Univ. of North Carolina, Chapel Hill, NC 27514; Erle E. Peacock, Jr., M.D.

To produce a *film* on rehabilitation of the hand.

Film. *The Gift of Grasp*.

RD-2830-MPO (68-3). MYOELECTRIC BRACE DEVELOPMENT. Iowa State Univ. of Science and Technology, Engineering Research Inst., Ames, IA 50010; Allan G. Potter.

To design an electrically powered hand splint using subfunctional muscle potentials to activate a *proportional feedback control system*.

RD-2849-MPO (68-3). DYNAMICS OF THE HUMAN BODY DURING LOCOMOTION. Univ. of California, San Francisco Medical Center, San Francisco, CA 94122; H. J. Ralston, Ph.D.

To study the dynamics of the human body during *locomotion as a basis for anticipating the effects of motor disturbance or of unusual locomotion* demand upon the metabolic cost of human locomotion as related to observed mechanical energy changes of principal body segments.

RD-2860-MPO (68-3). UC-BL DUAL-AXIS ANKLE-CONTROL SYSTEM: NEW APPLICATIONS AND BASIC STUDIES. Univ. of California, Biomechanics Laboratory, San Francisco Medical Center, San Francisco, CA 94122; Verne T. Inman, M.D.

To determine all pathological conditions for which this brace system is suited and to develop *prescription criteria and teaching materials* for future clinical evaluation; to obtain additional information about *motion at ankle joint complex*, and to make a preliminary design of a *weight-bearing dual-axis unit*.

RD-2904-MPO (69-2). FUNDAMENTAL STUDIES OF PATIENT-PROSTHESIS/ORTHOSIS EXTERNALLY POWERED CONTROL INTERFACES. Univ. of California, L.A., 405 Hilgard Ave., Los Angeles, CA 90024; John Lyman, Ph.D.

To perform experimental and theoretical studies to develop an *information processing system* that can extend the capabilities of amputees and paralyzed persons for *operating high performance manipulative devices* that stimulate normal arm movements.

RD-2918-MPO (69-3). THE DEVELOPMENT OF FUNCTIONAL METHODS OF TREATMENT OF TIBIAL, FEMORAL, AND FOREARM FRACTURES. Univ. of Miami, Sch. of Medicine, P.O. Box 875, Biscayne Annex, Miami, FL 33152; Augusto Sarmiento, M.D.

To develop methods of treatment using *prosthetic and orthotic principles of tibial, femoral, and forearm fractures* which will *free adjacent joints*, allow controlled *early weight bearing or use* during the healing process to *reduce the time required for healing* and improvee the rehabilitation process.

RD-2982-MPO (69-3). RESEARCH DEVELOPMENTS OF LOWER EXTREMITY ORTHOTIC SYSTEMS AS THEY RELATE TO PATIENTS WITH VARIOUS FUNCTIONAL DEFICITS. Texas Inst. for Rehabilitation and Research,

1333 Moursund Ave., Houston, TX 77025; Thorkild J. Engen.

To improve and modify the *design of lower extremity orthotics* by performing *functional analysis* of patients with limited ambulation potentials, comparing functional deficits to the use of *lower extremity orthotic systems, and designing and evaluating* new devices based on this information.

RD-3029-MPO (69-3). BIOPHYSICAL EVALUATION OF HEALING BONE. Georgetown Univ. Medical Center, 3800 Reservoir Road N.W., Washington, DC 20007; George W. Hyatt, M.D.

To study the physical properties of healing and healed bone by use of *nondestructive ultrasonic techniques*, in order to improve treatment and rehabilitation in various orthopedic disabilities.

RD-3033-MPO (69-3). REHABILITATION BIOMEDICAL ENGINEERING: ORTHOTICS DESIGN. Moss Rehabilitation Hospital, 12th St. and Tabor Road, Philadelphia, PA 19141; Leonard D. Policoff, M.D.

To gather basic objective information regarding *mobility patterns of hemiplegic patients*; to determine the *biomechanical requirements* for useful function and to *design and test improved orthotics systems* for this group.

RD-3120-MPO (69-4). A STUDY OF SPINAL ORTHOTICS IN IDIOPATHIC SCOLIOSIS. Univ. of Illinois, College of Medicine, 840 South Wood St., Chicago, IL 60612; Jorge Galante, M.D.

To examine the *forces acting* during the treatment of idiopathic scoliosis by means of an *instrumented Milwaukee brace*, the *optimal fit of the brace*; the *prognosis* in using the *braces to correct various types of curves*; the *mechanics involved in correcting idiopathic scoliosis and design improvement of orthoses for the spine.*

RD-3129-MPO (69-3). BIOENGINEERING DESIGN AND DEVELOPMENT OF LOWER EXTREMITY ORTHOTIC DEVICE. New York Univ. Medical Center, 400 East 34th St., New York, NY 10016; Hans Richard Lehneis.

To design *lower extremity orthoses* based on bioengineering principles derived from previous work done in the analysis of normal human locomotion and to apply *modern plastics technology* to orthoses to *enhance cosmesis and reduce weight.*

RD-3130-MPO (69-1). BIOMECHANICS OF LIFTING. New York Univ. Medical Center, 400 East 34th St., New York, NY 10016; E. R. Tichauer, Sc.D.

To describe *lifting tasks quantitatively* and to define the *stresses generated* at certain *risk-exposed anatomical structures.*

RC-1-MPO (60-). CONTRACT TO PROVIDE ADVISORY SERVICES. Committee on Prosthetics Research and Development, Natl. Academy of Science, 2101 Constitution Ave. N.W., Washington, DC 20037; Tonnes Dennison.

To *coordinate* and correlate *artificial limb and brace* research to identify and analyze long-term *research needs* in these fields in vocational rehabilitation.

Spec. repts. 1. *Henschke-Mauch "Hydraulik" System, Model B (Swing-Phase Control) for Above-Knee Prostheses.* 2. *The Application of External Power in Prosthetics and Orthotics.* 3. *The Geriatric Amputee.* 4. *Progress in Prosthetics.* 5. *Orthotics Research and Development.* 6. *The Control of External Power in Upper-Extremity Rehabilitation.* 7. *Prosthetics and Orthotics: Report of a Conference.* 8. *Annual Summary Reports.* (1963-68).

RC-10-MPO (64-1).* PROSTHETIC-ORTHOTIC EVALUATION. New York Univ., College of Engineering, University Heights, New York, NY 10053; Sidney Fishman, Ph.D.

To provide systematic and scientific *evaluation* of new or experimental *prosthetic and orthotic devices, techniques, and procedures.* See also RD-1194.

Spec. repts. 1. *Experiences With U.S. Army Medical Biomechanical Research Laboratory PREP Cosmetic Glove Formulations.* 2. *Evaluation of Developer's Fittings AIPR Pneumatic Prosthetic System.* 3. *The "Muenster" Type Fabrication Technique for Below-Elbow Prostheses.*

RC-12-M (64-1).* CONTRACT WITH NEW YORK UNIVERSITY. New York Univ., College of Engineering, University Heights, New York, NY 10053; Sidney Fishman, Ph.D.

To explore the feasibility of organizing a *laboratory and field evaluation* program for *orthotic devices* and techniques for upper and lower extremities and trunk.

RC-40-MPO (67-1). A STUDY OF THE PREVENTION OF DEFORMITY IN INSENSITIVE LIMBS. U.S. Public Health Service Hospital, Carville, LA 70721; Paul W. Brand, M.D.

To develop exact method of assessing nerve damage in *leprosy* to identify causes of damage and to evaluate success in preventing *deformity in insensitive limbs.*

RC-41-MPO (67-3). CLINICAL EVALUATION OF PROSTHETIC-ORTHOTIC DEVICES. Committee on Prosthetics Research and Development, National Academy of Science, 2101 Constitution Ave., Washington, DC 20008; A. Bennett Wilson, Jr.

To conduct and coordinate a National program for the *clinical evaluation* of prosthetic and orthotic devices, techniques, and tools.

RD-44 (56-5).* TOTAL REHABILITATION OF PATIENTS WITH CHRONIC PULMONARY DISEASE. Natl. Jewish Hospital, 3800 East Colfax Ave., Denver, CO 80206; S. H. Dressler, M.D.

To develop *improved* methods and techniques that can be used in a *hospital* in the rehabilitation of patients undergoing extended treatment for chronic *tuberculosis*.

RD-54 (56-3).* EXPERIMENTATION WITH TECHNIQUES FOR MEETING THE EXTRAMEDICAL NEEDS OF UNHOSPITALIZED TUBERCULOSIS PATIENTS. New York Tuberculosis and Health Assn., 386 Fourth Ave., New York, NY 10016; Irving Mushlin.

To devise and provide appropriate *nonmedical rehabilitation* services to *unhospitalized* patients being treated for *tuberculosis*.

RD-175 (57-5).* STUDY IN THE APPLICATION OF PHYSICAL MEDICINE AND REHABILITATION TO EMPHYSEMA PATIENTS. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To develop rehabilitation procedures for use with *emphysema* patients.

Spec. rept. *Essentials of Living With Pulmonary Emphysema*.

RD-597 (61-4).* REHABILITATION AND TUBERCULOSIS: PREDICTING THE VOCATIONAL AND ECONOMIC STATUS OF TUBERCULOSIS PATIENTS. Sunny Acres Foundation, Richmond Road, Cleveland, OH 44122; J. B. Stocklen, M.D. and M. B. Sussman, Ph.D.

To study the social, psychological, and vocational *factors* which *influence* the vocational rehabilitation *potential of tuberculous* patients.

RD-657 (61-1).* AN EVALUATION SURVEY OF THE MEDICAL, SOCIAL, AND REHABILITATION FACTORS IN WORK ADJUSTMENT OF 5,836 PERSONS DISCHARGED FROM STATE TUBERCULOSIS HOSPITALS IN FLORIDA. Research Reports in Social Science, Vol. 4, No. 2. State Division of Vocational Rehabilitation, 105 Knott Bldg., Tallahassee, FL 32301; Frank H. Echols.

To *evaluate* the medical, social, personal, and vocational *adjustment* of over 8,000 *tuberculous* patients rehabilitated during a recent 5-year period.

RD-939-G (62-1).* A SHELTERED WORKSHOP COMMUNITY FOR LONG-TERM CARE OF CHRONIC PULMONARY DISEASE CASES. Board for Texas State Hospitals and Special Schools, Box S, Capitol Station, Austin, TX 78711; Carleton A. Johnson, M.D.

To develop and plan a *community sheltered workshop* for the vocational rehabilitation of patients with pulmonary disease requiring long-term hospital care.

RD-1013-M (62-3).* REHABILITATION POTENTIAL IN CHRONIC OBSTRUCTIVE LUNG DISEASE. George Washington Univ. Sch. of Medicine, Washington, DC 20007; Harold M. Silver, M.D.

To determine the *rehabilitation potential* in chronic obstructive lung disease and study the relative value of physiological, ventilation, and diffusion tests in *disability determination*, prognostication, and vocational rehabilitation.

RD-1315-M (65-3).* THE EFFECT OF LIVING IN AN ENRICHED OXYGEN ATMOSPHERE ON THE REHABILITATION OF PATIENTS WITH EMPHYSEMA AND NEUROMUSCULAR DISEASE. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To study the effectiveness of a highly *oxygenated atmosphere* in the rehabilitation of patients with *emphysema* and neuromuscular diseases.

RD-2113-M (66-1).* REHABILITATION OF ASTHMATIC PATIENTS: REPORT ON FILM "JERRY". Natl. Jewish Hospital, 3800 East Colfax Ave., Denver, CO 80206; Martin Nacman.

To produce a professional training *film* to demonstrate the latest techniques for rehabilitating individuals disabled by *asthma*. See also RD-2168.

Film. *Jerry*.

RD-2138-P (67-3). VOCATIONAL REHABILITATION OF MALE TUBERCULOUS ALCOHOLICS. Harvard Medical Sch., 25 Shattuck St., Boston, MA 02115; Philip Solomon, M.D. and David Sherman, M.D.

To test the effectiveness of a *residential* treatment program in rehabilitating *tuberculous male alcoholics*.

RD-2218-M (67-3). REHABILITATION IN EMPHYSEMA THROUGH INTENSIVE GROUP THERAPY. Univ. of Alabama Medical College, 1919 South Seventh Ave., Birmingham, AL 25233; B. V. Branscomb, M.D.

To develop a comprehensive rehabilitation program for patients with *emphysema* and other forms of chronic *pulmonary insufficiency*.

RD-2512-M (68-5). STUDIES OF RESPIRATION IN A REHABILITATION CENTER. Univ. of Wisconsin, 750 University Ave., Madison, WI 53706; Arthur A. Siebens, M.D.

To study certain *respiratory problems* relating to normal and abnormal respiration of patients commonly seen in rehabilitation centers.

RD-2517-M (68-3). REHABILITATION OF PATIENTS WITH EMPHYSEMA. Univ. of Nebraska College of Medicine, 42nd and Dewey St., Omaha, NB 68105; Irving Kaas, M.D.

To develop a *regional facility* for rehabilitation of patients with *emphysema*.

VIII. RESPIRATORY AND PULMONARY DISORDERS

RD-2571-G (67-1).* A SYSTEMATIZED CARE PROGRAM FOR PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE. The Human Interaction Research Inst., 10889 Wilshire Blvd., Los Angeles, CA 90024; Edward M. Glaser, Ph.D.

To demonstrate and evaluate the effects of certain strategies designed to promote the utilization of a special exercise program for *emphysema* patients.

RD-2647-M (68-3). PHYSICAL THERAPY IN CHRONIC PULMONARY DISEASE - INDICES OF QUANTITATIVE EVALUATION. Emory Univ., Atlanta, GA 30322, Ross L. McLean, M.D.

To demonstrate the effect of *physical therapy* on patients with chronic *bronchitis* or pulmonary *emphysema*.

RD-2653-M (68-2). REHABILITATION IN CHRONIC PULMONARY INSUFFICIENCY. Case Western Reserve Univ., Sch. of Medicine, 2040 Adelbert Road, Cleveland, OH 44106; Gerald L. Baum, M.D.

To test the thesis that coordinated physical training, psychological support, and vocational assistance combined with medical treatment will result in better *life adjustment* for persons with chronic *pulmonary insufficiency*; and to evaluate effects of physical training and controlled work on the cardio-pulmonary system.

RD-7 (55-7).* FAMILY AND MENTAL HEALTH PROBLEMS IN A DEAF POPULATION. N.Y. State Psychiatric Inst., 722 West 168th St., New York, NY 10032; Franz J. Kallman, M.D.

To help overcome vocational disability in *deaf* persons with *mental health problems* by establishing a psychiatric clinic where treatment is especially designed for those who are unable to carry on a normal conversation.

Spec. rept. *Mental Health Planning for the Deaf.*

RD-19 (55-3).* PILOT PROGRAM IN SPEECH AND AURAL REHABILITATION. Univ. of Pennsylvania, 3320 Walnut St., Philadelphia, PA 19104; M. C. Schultz, Ph.D.

To conduct a pilot *program in speech and hearing* rehabilitation in connection with an existing physical rehabilitation center.

RD-29 (55-4).* A STUDY OF FACTORS ASSOCIATED WITH SUCCESS IN LIP READING. John Tracy Clinic, 806 West Adams Blvd., Los Angeles, CA 90007; E. L. Lowell, Ph.D.

To study the personality and intellectual characteristics associated with success in *lip reading* in order to distinguish those who can profit from such training from those who must rely on other means of communication, a vital factor in job success.

Spec. repts. John Tracy Clinic Research Papers. 1. *A Bibliography of Psychological Characteristics of the Aurally Handicapped and of Analytical Studies in Communication.* 2. *A Film Test of Lip Reading.* 3. *Studies of Variables in Lip Reading.* 4. *Linguistic Methodology in Lip Reading.* 5. *Facial Cues of Context in Lip Reading.* 6. (Not an SRS report.) 7. *Relationships Between Selected Aptitude and Personality Tests and Lip Reading Ability.* 8. *Pilot Studies in Lip Reading.* 9. *Role in Conditioning in GSR Audiometry With Children.* 10. *Electrodermal Responses of Deaf Children.* 11. *Phoneme Perception in Lip Reading.* 12. *Temporal Evaluation: A New Approach in Diagnostic Audiology.*

RD-66 (56-2).* HEARING LOSS--A COMMUNITY LOSS. American Hearing Society, 919 18th St. N.W., Washington, DC 20006; Crayton Walker.

To develop *standards and guides* for use by *communities* in the establishment of speech and hearing *facilities* for the rehabilitation of the *deaf and hard of hearing.*

RD-74 (56-1).* INVESTIGATION OF THE NATURE OF TEST RESULTS IN CASES OF INNER EAR HEARING LOSS. Cleveland Hearing and Speech Center, 11206 Euclid Ave., Cleveland, OH 44106; E. D. Schubert, Ph.D.

To improve *hearing tests* commonly used in evaluating *speech discrimination* in certain types of *deafness* to make more effective job selections. See also RD-143.

RD-79 (56-2).* OCCUPATIONAL CONDITIONS AMONG THE DEAF. Natl. Assn. of the Deaf, 2495 Shattuck Ave., Berkeley, CA 94704; Byron B. Burnes.

To inventory the variety of *jobs performed by deaf persons* throughout the Nation and evaluate factors associated with occupational success or failure.

RD-134 (57-1).* AN INVESTIGATION OF THE RELATIONSHIPS BETWEEN CERTAIN COMMUNICATION FACTORS AND OBJECTIVE MEASURES OF THE EFFICIENCY OF THE ESOPHAGEAL SPEECH OF LARYNGECTOMIZED PERSONS. Univ. of Kansas Medical Center, Kansas City, KS 66103; Bernard Stoll.

To aid in the rehabilitation of persons using *esophageal speech* (after surgery for cancer of the larynx) by studying the *reactions* of the patient and other persons *to the quality* of esophageal speech produced.

RD-143 (57-3).* ITEM ANALYSIS OF DISCRIMINATION TEST. Cleveland Hearing and Speech Center, 11206 Euclid Ave., Cleveland, OH 44106; Earl D. Schubert, Ph.D.

To facilitate rehabilitation of *hard of hearing* persons by developing an improved *test for speech discrimination* loss. See also RD-74.

RD-150 (57-1).* TEACHING SPEECH READING BY TELEVISION. Hear, Inc., 221 North Carroll St., Madison, WI 53703; Mrs. J. D. Stovall.

To demonstrate the effectiveness of television as a medium for teaching *speech reading to deaf adults.*

Spec. rept. *H E A R: A Series of Television Programs Especially Designed for the Hearing Handicapped and Their Friends.*

RD-161 (57-1).* AN INVESTIGATION OF THE MANNER AND EXTENT TO WHICH SPECIAL DUAL TAPE-RECORDING EQUIPMENT CAN BE USED IN CONJUNCTION WITH SPEECH AND HEARING THERAPY AND REHABILITATION. Univ. of Maryland, College Park, MD 20742; Richard Hendricks, Ph.D.

To study the manner and extent to which special two-channel *tape recording* equipment can be used to give *speech lesson exercises and therapy* to assist the work of the speech therapist.

RD-167 (58-2).* THE RELATIONSHIP BETWEEN AUDIOLOGICAL MEASURES AND HANDICAP. Univ. of Pittsburgh, Pittsburgh, PA 15213; Leo G. Doerfler, Ph.D., and Jack Matthews, Ph.D.

To investigate in 1,000 *hard of hearing adults* the relationship between *audiological test* results and *social-psychological-vocational measures* of disability.

IX. SPEECH AND HEARING DISORDERS

RD-168 (58-2).* STUDIES IN APHASIA: AN APPROACH TO TESTING. Univ. of Chicago, Chicago, IL 60637; Joseph P. Wepman, Ph.D./Univ. of North Carolina, Chapel Hill, NC 27515; Lyle V. Jones, Ph.D.

A joint project by the two universities to construct and produce a clinically useful *test for aphasia* based on an experimental test battery, the Primary Language Abilities Test.

RD-169 (58-1).* FOLLOW-UP STUDY OF FEMALE DEAF PEOPLE. Lexington School for the Deaf, 904 Lexington Ave., New York, NY 10021; L. E. Connor, Ed.D.

To develop a research *design* for a *followup* study to explore the effects of educational *experience in a school for the deaf on vocational adjustment*. See also RD-601.

RD-289 (59-1).* AUDIBLE SCALES FOR MEASURING NASAL VOICE QUALITY IN ADULTS. Univ. of Pittsburgh, Pittsburgh, PA 15213; George H. Shames, Ph.D., and Jack Matthews, Ph.D.

To develop an audible *scale* to measure *nasal voice* quality in the speech of *cleft palate* adults in relation to determining employability.

RD-292 (58-2).* THE GLASS WALL. Film. American Hearing Society, 919 18th St. N.W., Washington, DC 20003; Crayton Walker.

To develop an educational and informational *film* to demonstrate improved *methods for rehabilitating the hard of hearing*.

RD-302 (58-2).* AN INTENSIVE COORDINATED SERVICE PROGRAM TO INCREASE THE NUMBER OF HEARING HANDICAPPED VOCATIONAL REHABILITANTS. American Hearing Society, 919 18th St. N.W., Washington, DC 20003; Crayton Walker.

To demonstrate the effectiveness of an intensive program of *coordinated community services* to increase the vocational opportunities of *deaf and hard of hearing* persons.

RD-314 (59-2).* THE FORMIDABLE PEAK. Commercial ed. *Deaf Persons in Professional Employment*. Gallaudet College, Washington, DC 20002; Alan B. Crammatte.

To gather and analyze information on *factors* which influence successful vocational *adjustment in deaf persons* engaged *in professional occupations*.

RD-319 (58-5).* Final Report in 2 vols. 1. THE PROBLEM OF STUTTERING IN CERTAIN NORTH AMERICAN INDIAN SOCIETIES. 2. STUDIES OF SPEECH DISFLUENCY AND RATE OF STUTTERERS AND NONSTUTTERERS. State Univ. of Iowa, Iowa City, IA 52240; Wendell Johnson, Ph.D.

To collect and study the problems, evaluate therapy, and develop improved procedures for the vocational rehabilitation of *stutterers*.

Spec. rept. *Speech Handicapped School Children*.

RD-337 (58-3).* AN INVESTIGATION OF SPEECH AFTER LARYNGECTOMY. Univ. of Kansas Medical Center, Rainbow Blvd. at 39th St., Kansas City, KS 66103; William Diedrich, Ph.D.

To investigate the *functional psychological characteristics* of postlaryngectomized speech and the dynamics of producing *esophageal speech* as a basis for improved rehabilitation services to this group.

RD-350 (58-1).* RESEARCH NEEDS IN SPEECH PATHOLOGY AND AUDIOLOGY. American Speech and Hearing Assn., 1001 Connecticut Ave. N.W., Washington, DC 20006; K. O. Johnson, Ph.D.

To define the nature and scope of *research needs* in vocational rehabilitation in the field of *speech and hearing*.

RD-361 (59-1).* EVALUATION OF THE VOCATIONAL REHABILITATION NEEDS AND POTENTIALS OF MARGINAL DEAF PEOPLE. Kansas Sch. for the Deaf, Olathe, KS 66061; Stanley D. Roth.

To plan a study of the effectiveness of a comprehensive *adjustment* program to promote vocational readiness in *deaf* persons with previous unsuccessful employment experience.

RD-364 (60-1).* EVALUATION OF SPEECH AND HEARING THERAPY. Pennsylvania State Univ., University Park, PA 16802; B. M. Siegenthaler, Ph.D.

To evaluate the *effects* of a specific program of *speech and hearing* rehabilitation *services* on the social, psychological, and vocational *adjustment* of persons who have received such services.

RD-413 (59-2).* THE RELATION BETWEEN SPEECH INTELLIGIBILITY AND THE ELECTROACOUSTIC CHARACTERISTICS OF LOW FIDELITY CIRCUITRY. The C. W. Shilling Auditory Research Center, 340 Long Hill Road, Groton, CT 06340; J. D. Harris, Ph.D.

To develop objective tests for *evaluating* the technical characteristics of *hearing aids*.

RD-421 (59-1).* A STUDY OF THE SOCIAL AND VOCATIONAL ACCEPTABILITY OF ESOPHAGEAL SPEAKERS COMPARED TO NORMAL SPEAKERS AS RATED BY MEMBERS OF BUSINESS AND PROFESSIONAL GROUPS. Junior League Speech and Hearing Center, 2720 Lee St., Columbia, SC 29205; Stuart I. Gilmore.

To study the social and vocational *acceptability of esophageal speakers*.

RD-464 (60-2).* REPORT OF CONSTRUCTION OF A PICTURE INTEREST INVENTORY FOR THE DEAF. Gallaudet College, Washington, DC 20002; Howard L. Roy, Ph.D.

To develop and standardize a pictorial *interest inventory* for use in counseling with the *deaf*.

IX. SPEECH AND HEARING DISORDERS

RD-465 (60-1).* A STUDY OF FACTORS RELATED TO THE LEARNING OF POST-LARYNGECTOMIZED SPEECH. Univ. of Pittsburgh, Pittsburgh, PA 15213; George D. Shames, Ph.D., and Jack Matthews, Ph.D.

To identify *factors* related to the *learning of postlaryngectomized* speech to aid in the rehabilitation of persons whose larynxes have been surgically removed.

RD-466 (59-3).* AN INVESTIGATION OF CERTAIN ASPECTS OF BONE CONDUCTION AUDIOMETRY. Univ. of Oklahoma Research Inst., Norman, OK 73069; John W. Keys, Ph.D.

To evaluate the *efficiency of bone conduction audiometry* used in the rehabilitation of persons with impaired hearing.

RD-467 (59-6).* ANALYSIS OF COMMUNICATIVE STRUCTURE PATTERNS IN DEAF CHILDREN. Gallaudet College, Washington, DC 20002; George Detmold, Ph.D.

To study and analyze *communicative patterns* developed by *young deaf* persons in order to improve communication techniques in the vocational rehabilitation of the deaf.

Spec. rept. *Esoteric Symbolism in the Communication Behavior of Young Deaf Children.*

RD-471 (60-3).* SPEECH AND LANGUAGE REHABILITATION OF HEMIPLEGIC PATIENTS WITH APHASIA. Jewish Chronic Disease Hospital, East 49th St. and Rutland Road, Brooklyn, NY 11203; Robert C. West, Ph.D.

To determine whether the speech and language rehabilitation of *aphasic patients* is facilitated by the administration of *ataraxic medications*.

RD-485 (61-3).* RECRUITMENT OF PERSONNEL FOR TRAINING IN HEARING REHABILITATION. Boston Guild for the Hard of Hearing, 283 Commonwealth Ave., Boston, MA 02115; Claire K. Kennedy.

To investigate and develop improved methods for *increasing* the number of specialized rehabilitation *personnel* who work with the *deaf and hard of hearing*.

RD-501 (60-2).* EVALUATION, SELECTION, AND FITTING OF MONAURAL AND BINAURAL HEARING AIDS FOR MIDDLE AND OLD AGE HARD-OF-HEARING PERSONS. Research Foundation of State Univ. of New York, Box 7126, Capitol Station, Albany, NY 12224; Maurice H. Miller, Ph.D.

To *evaluate* the effectiveness of *binaural hearing aids* for persons with hearing loss who are 50 years of age or older.

RD-526 (60-3).* VISIBLE SPEECH FOR THE DEAF. Wayne State Univ., Speech and Hearing Clinic, Detroit, MI 48202; George A. Kopp, Ph.D.

To evaluate the usefulness of the *visible speech cathode ray tube* as a supplement to the oral method of *teaching speech* in the rehabilitation of the *deaf and hard of hearing*.

Spec. rept. *Visible Speech Manual.*

RD-549 (60-2).* COGNITIVE PROCESSES IN DEAF AND HEARING ADOLESCENTS AND ADULTS. Clarke Sch. for the Dear, Round Hill Road, Northampton, MA 10160; S. L. Kates, Ph.D.

To investigate the effect of deafness on the learning process and the relation of *learning deficiencies* to the social and vocational *adjustment of the deaf*.

RD-583 (60-1).* RESEARCH NEEDS IN THE VOCATIONAL REHABILITATION OF THE DEAF. Gallaudet College, 7th and Florida Ave N.E., Washington, DC 20002; Powrie V. Doctor.

To conduct a *conference* of selected authorities in the field of deafness for the purpose of *identifying researchable* vocational rehabilitation *problems of the deaf*.

RD-601 (61-2).* VOCATIONAL STATUS AND ADJUSTMENT OF DEAF WOMEN. Lexington Sch. for the Deaf, 904 Lexington Ave., New York, NY 10021; L. E. Connor, Ed.D.

To study the effect of *educational experiences* on the vocational *adjustment of deaf women* who have attended a school for the deaf. See also RD-169.

RD-642 (61-5).* COUNSELING CENTER FOR THE DEAF. Gallaudet College, Washington, DC 20002; George Detmold, Ph.D.

To establish a *counseling center* to meet the special counseling and guidance problems of *deaf college students*, provide opportunities for research into the psychological problems of the deaf, and serve as a demonstration for schools of the deaf of the need and value of such services in assisting the successful personal and vocational adjustment of the deaf.

RD-704 (61-3).* THINKING WITHOUT LANGUAGE: PSYCHOLOGICAL IMPLICATIONS OF DEAFNESS. The Catholic Univ. of America, Washington, DC 20017; Hans G. Furth, Ph.D.

To develop and standardize nonverbal *concept learning tasks for deaf adults* minimally influenced by language or past experience with a view toward using such tasks for prediction purposes.

Spec. rept. *Research With the Deaf: Implications for Language and Cognition.*

RD-734 (61-3).* THE DEAF COMMUNITY STUDY OF METROPOLITAN WASHINGTON, DC. Gallaudet College, Washington, DC 20002; Jerome Schein, Ph.D.

To conduct a *survey of the deaf* population in the Washington metropolitan area in order to analyze how this *disability affects* vocational

and personal adjustment, interests, attitudes, and aspirations in *community living*.

Spec. rept. *Directory of Social Services for the Deaf of Metropolitan Washington, DC*.

RD-742 (61-3).* A STUDY OF SOME PHYSIOLOGICAL ASPECTS OF SPEECH. State Univ. of Iowa, Iowa City, IA 52240; D. C. Spriestersbach, Ph.D.

To study and analyze by *cinefluorographic* techniques the physiology of the *speech mechanism* of persons with corrected *cleft palates*, cerebral palsy, and functional misarticulations in order to develop educational and informational materials and films.

Physiological Aspects of Speech Film Series. 1. *Velopharyngeal Function in Normal Speakers*. 2. *Speakers With Cleft Palates*. 3. *Normal Speech Articulation*. 4. *Speakers With Cerebral Palsy*.

RD-781-S (62-2).* DEVELOPMENTAL STUDIES OF DEAF CHILDREN. Clarke Sch. for the Deaf, Northhampton, MA 10160; Miriam F. Fiedler, Ph.D.

To study the *effects of school experience* on the intellectual capacity and personal adjustment of *deaf adolescents*, giving further insight into the preparation of the deaf for adult vocational life.

RD-798-S (62-1).* HAWAII LANGUAGE DISORDERS PLANNING PROJECT. Dept. of Public Instruction, P.O. Box 2360, Honolulu, HI 96804; David H. Crowell, Ph.D.

To plan a cooperative study involving health and education agencies as well as others, designed to improve rehabilitation services for *youth* with *language disorders*.

RD-800-S (62-3).* Final report in 2 vols. 1. IDENTIFICATION AND VOCATIONAL TRAINING OF THE INSTITUTIONALIZED DEAF-RETARDED PATIENT. 2. PROGRAMMING HABILITATION OF THE HOSPITALIZED DEAF-RETARDED. Michigan Dept. of Mental Health, Lewis Cass Bldg., Lansing, MI 48913; Anthony Abruzzo, M.D., and V. A. Stehman, M.D.

To identify deaf *individuals* residing in *State institutions* for the *mentally retarded* who appear to have vocational rehabilitation potential, and to develop a comprehensive *rehabilitation program* to meet their individual needs.

RD-801-S (62-4).* A PERSONAL ADJUSTMENT AND PRE-VOCATIONAL CENTER FOR NON-FEASIBLE DEAF ADULTS. Michigan Assn. for Better Hearing, 724 Abbott Road, East Lansing, MI 48823; Stahl Butler.

To establish a specialized *comprehensive* vocational and academic *program* which will include personal and social *adjustment training* as well as development of *communication* skills, in order to prepare *untrained marginal deaf* persons for employment.

RD-803-S (62-1).* EFFECT OF SENSORY-NEURAL HEARING LOSS UPON SOUND LOCALIZING ABILITY. Univ. of Pittsburgh Sch. of Medicine, Pittsburgh, PA 15213; Leo G. Doerfler, Ph.D.

To explore the extent to which the ability to *localize auditory sounds* is impaired by *hearing loss* that is sensory-neural.

RD-868-S (61-1).* REPERTORY THEATER FOR THE DEAF. World Rehabilitation Fund, 400 East 34th St., New York, NY 10016; Eugene J. Taylor.

To explore the feasibility of a demonstration which will provide new vocational opportunities for the *deaf* in the arts and enrich the cultural lives of the deaf. See also RD-2315; RD-2474.

RD-870-S (62-3).* REHABILITATION UNIT, UNIVERSITY OF CALIORNIA AT LOS ANGELES PROGRAM IN REHABILITATION IN THE AREA OF SPEECH AND HEARING. Univ. of California Sch. of Medicine, Los Angeles, CA 90024; Joel J. Pressman, M.D.

To develop a comprehensive program in *speech pathology and audiology* which will conduct concurrent *research, services, and professional training* in these fields.

RD-971-S (62-5).* THE ESTABLISHMENT OF MINIMUM HEARING AND SPEECH SERVICE SCREENING UNITS. American Hearing Society, 919 18th St. N.W., Washington, DC 20006; Crayton Walker.

To plan and establish *hearing and speech facilities* which will provide *basic services* and serve as *screening units* whereby more difficult cases may be identified and *referred to comprehensive* speech and hearing *centers*.

RD-1007-S (62-2).* A DICTIONARY OF IDIOMS FOR THE DEAF. American Sch. for the Deaf, 139 North Main St., West Hartford, CT 06107; Maxine T. Boatner, Ph.D.

To prepare a *manual* of common *idiomatic expressions* explained in simple language which can be understood by deaf people 14 years of age or older, in order to improve the communicative skills of the *deaf*.

RD-1008-S (62-1).* ANIMATED CINEFLUOROGRAPHIC FILMS FOR SPEECH REHABILITATION IN THE AURALLY HANDICAPPED. John Tracy Clinic, 806 West Adams Blvd., Los Angeles, CA 90007; Edgar L. Lowell, Ph.D.

To develop cinefluorographic and animated *films* showing the movements of *normal articulation* during speech for use in *teaching speech to the deaf and hard of hearing*.

Cinefluorographic film series. Four untitled films. 1. "D" sound. 2. "N" sound. 3. "S" sound. 4. Composite "D-N-S" sound.

RD-1012-S (62-3).* INTERACTION OF DEAF AND HEARING IN FREDERICK COUNTY, MARYLAND. Catholic Univ. of America, Bureau of Social Research, Washington, DC 20017; P. H. Furfey, Ph.D.

To investigate the social and cultural *characteristics* of the *deaf* population in Frederick, Maryland, and the *social interaction* of deaf and hearing people *in the community*.

RD-1054-S (63-3).* EDUCATION OF DEAF AND HARD OF HEARING ADULTS IN ESTABLISHED FACILITIES FOR THE NORMALLY HEARING. Idaho State Univ., Pocatello, ID 83201; Gwenyth R. Vaughn, Ph.D.

To provide *special communication and education* assistance to persons with *severe hearing loss* so that they may attend *regular courses* in a trade and *technical school*.

RD-1079-S (63-1).* DELAYED FEEDBACK AUDIOMETRY. Univ. of Oklahoma Medical Center. 825 Northeast 14th St., Oklahoma City, OK 73104; John W. Keys, Ph.D.

To develop a reliable method of determining *hearing acuity thresholds* for pure frequency stimuli in individuals with functional *hearing loss*.

RD-1083-S (63-2).* PHYSIOLOGIC MECHANISM OF DEGLUTITION AND VOICE IN PARTIALLY LARYNGECTOMIZED HUMANS, AND LARYNGECTOMIZED ANIMALS WITH AUTOPROSTHESIS. Washington Univ. Sch. of Medicine, 640 South Kingshighway, St. Louis, MO 63110; Joseph H. Ogura, M.D.

To study the *neurophysiologic factors* necessary in the reestablishment of normal *swallowing and voice* in laryngectomized animals with mechanical *prostheses* and in patients with *partial laryngectomy*.

RD-1097-S (63-4). COGNITIVE STRUCTURES IN DEAF, HEARING AND PSYCHOTIC INDIVIDUALS. Clarke Sch. for the Deaf, Round Hill Road, Northampton, MA 01060; Solis L. Kates, Ph.D.

To investigate and compare the *conceptual abilities* required for dealing with *social and emotional stimuli* in *deaf* persons and in hearing persons.

RD-1100-S (63-5).* STANDARDIZATION AND VALIDATION OF A DIAGNOSTIC TEST BATTERY FOR LANGUAGE IMPAIRED CHILDREN. Univ. of Chicago, 5728 South Ellis Ave., Chicago, IL 60637; Joseph M. Wepman, Ph.D.

To standardize a *battery of tests* which will be clinically useful in measuring the *conceptual and linguistic abilities of children* considered to be handicapped by delay in their language development.

RD-1124-S (62-1).* SECOND CONFERENCE ON SPEECH DISCRIMINATION. Houston Speech and Hearing Center, 1343 Moursund Ave., Houston, TX 77025; Jack L. Bangs, Ph.D.

To conduct a *research conference* of authorities in *auditory discrimination loss* in order to explore possible ways of reducing this disability.

RD-1170-S (64-2).* AUDIOLOGY AND EDUCATION OF THE DEAF. American Speech and Hearing Assn., 1001 Connecticut Ave. N.W., Washington, DC 20006; K. O. Johnson, Ph.D.

To survey methods for promoting increased cooperation among professional persons serving the deaf and to conduct a *conference* on improving *audiological services* for the *deaf*.

RD-1173-S (62-2).* REVISION AND RESTANDARDIZATION OF THE HISKEY-NEBRASKA TEST OF LEARNING APTITUDES. Univ. of Nebraska, Teachers College, Lincoln, NB 68508; Marshall S. Hiskey, Ph.D.

To review and restandardize the Hiskey-Nebraska Test of Learning Aptitude, *a nonverbal intelligence test* designed for the handicapped who have communication problems such as *deafness*.

Spec. rept. *Hiskey-Nebraska Test of Learning Aptitudes*.

RD-1184-S (63-5).* LANGUAGE RETRAINING FOR APHASICS. Ohio State Univ. Research Foundation, 325 Derby Hall, 154 North Oval Drive, Columbus, OH 43210; John W. Black, Ph.D.

To develop and evaluate *language retraining* devices and materials for work with *aphasic* (poststroke) individuals.

Spec. rept. *Proceedings of the Conference on Language Retraining for Aphasics*.

RD-1197-S (63-3).* COMPREHENSIVE MENTAL HEALTH SERVICES FOR THE DEAF. New York State Psychiatric Inst., 722 West 168th St., New York, NY 10032; Dr. John D. Rainier.

To demonstrate a method for providing *psychiatric services to deaf* people on both an *inpatient and outpatient* basis.

RD-1226-S (64-1).* PERCEPTION OF ALTERED ACOUSTIC STIMULI BY THE DEAF. The Ohio State Univ. Research Foundation, 1314 Kinnear Road, Columbus, OH 43212; John W. Black, Ph.D.

To evaluate a newly developed method for *assessing residual hearing and sound discrimination* ability in disabled persons with impaired hearing.

RD-1295-S (64-1).* OCCUPATIONAL STATUS OF THE YOUNG ADULT DEAF OF NEW ENGLAND AND THE NEED AND DEMAND FOR A REGIONAL TECHNICAL-VOCATIONAL TRAINING CENTER. American Sch. for the Deaf, 139 North Main St., West Hartford, CT 06103; Edmund B. Boatner.

To determine the need and affective demand for a *regional technical training* center for the *deaf*.

RD-1297-S (64-1).* Final report in 2 vols. 1. CRITICAL EVALUATION OF SAL AUDIOMETRY. 2. COMPARISON OF SAL AND BONE-CONDUCTION AUDIOMETRY IN THE PREDICTION OF GAINS FROM STAPES SURGERY. Houston Hearing and Speech Center, Texas Medical Center, 1343 Moursund Ave., Houston, TX 77025; James Jerger, Ph.D.

To determine the relationship between conventional and recently developed *audiometric test procedures* and the applicability of these techniques in predicting results in *stapes surgery*.

RD-1298-S (64-1).* DICTIONARY OF THE LANGUAGE OF SIGNS. New York Univ. Washington Square, New York, NY 10003; Edna S. Levine, Ph.D.

To develop a *dictionary* of the *language of signs*.

RD-1299-S (64-5). RESEARCH ON SOME BEHAVIORAL ASPECTS OF DEAFNESS. Inst. for Research on Exceptional Children, Univ. of Illinois, 1003 West Nevada, Urbana, IL 61803; S.P. Quigley, Ph.D.

Research on the *behavioral aspects of deafness* and the significance of these factors in the rehabilitation of deaf persons. See also RD-2922.

Spec. repts. 1. *Deaf Students in Colleges and Universities*. 2. *The Influence of Fingerspelling on the Development of Language, Communication, and Educational Achievement in Deaf Children*. 3. *Supervisors and Supervision of Teachers of the Deaf*.

RD-1302-S (64-2).* SELF-COMMUNICATING FACTORS IN CLINICAL COUNSELING. State Univ. of Iowa, Iowa City, IA 52240; Wendell Johnson, Ph.D.

A study of *self-communication factors* in *clinical counseling* of disabled persons with or without communication disorders.

RD-1304-S (64-1).* INTEGRATION AND DEVELOPMENT OF SERVICES FOR THE DEAF IN A COMPREHENSIVE VOCATIONAL EVALUATION AND WORK CONDITIONING CENTER. Morgan Memorial, Inc., 85 Shawmut Ave., Boston, MA 02116; William F. Stearns.

To plan a demonstration on the development of *services* for the *deaf* in a comprehensive *vocational* evaluation and work conditioning *center*. See also RD-1576.

RD-1305-S (64-3).* SPATIAL AND TEMPORAL FACTORS IN LEARNING WITH DEAF CHILDREN: AN EXPERIMENTAL INVESTIGATION OF THINKING. Catholic Univ. of America, Washington, DC 20017; James Youniss, Ph.D.

To study the role of stimuli on *discrimination and concept learning* in the *deaf*.

RD-1316-S (64-5).* AUDITORY REHABILITATION ASPECTS OF STAPES SURGERY FOR OTOSCLEROSIS. Univ. of California Medical Center, Los Angeles, CA 90024; Victor Goodhill, M.D.

To study the *auditory* rehabilitation *aspects of stapes surgery* for otosclerosis.

RD-1341-S (63-1).* A PRELIMINARY STUDY OF MINNESOTA PROGRAM FOR SECONDARY AGE AND YOUNG ADULT HEARING IMPAIRED. Univ. of Texas Graduate Sch. of Biomedical Sciences, 102 Jesse Jones Library Bldg., Houston, TX 77025; Grant Taylor, M.D.

To produce five 30-minute colored *medical teaching films and video tapes on surgical procedures* for the correction of *hearing loss*.

RD-1360-S (64-1).* REHABILITATIVE SURGERY AND HEARING LOSS PRODUCTION OF COLORED TEACHING FILMS. Univ. of Texas Graduate Sch. of Biomedical Sciences, 102 Jesse Jones Library Bldg., Houston, TX 77025; Grant Taylor, M.D.

To produce five 30-minute colored *medical teaching films and video tapes on surgical procedures* for the correction of *hearing loss*.

Films. 1. *Restoration of Hearing: Obliteration of the Cavity and Reconstruction of the Auditory Canal in Temporal Bone Surgery*. 2. *Tympanoplasty, Part 1--Reconstruction of the Tympanic Membrane*. 3. *Tympanoplasty, Part II--Reconstruction of the Ossicular Chain*. 4. *Selecting Patients for Tympanoplasty*. 5. *Stapedectomy Techniques for Otosclerosis*.

RD-1380-S (64-3).* VOCATIONAL DEVELOPMENT OF DEAF ADOLESCENTS. Lexington Sch. for the Deaf, 904 Lexington Ave., New York, NY 10021; Joseph Rosenstein, Ph.D.

To investigate *vocational development* of *deaf adolescents and young adults* and to determine the contribution of teachers, parents, and peers to this development.

RD-1440-S (64-1).* ADJUSTMENT TO AUDITORY DISABILITY IN ADOLESCENCE. Univ. of Rochester, River Campus Station, Rochester, NY 14627; Emory L. Cowen, Ph.D.

To study adjustment to auditory disability, which completes a unified series of studies on the nature of *personal adjustment* as it relates to *auditory disability and visual disability* in *adolescence*.

RD-1479-S (64-3).* PSYCHOLINGUISTIC PROCESSES IN THE DEAF. Vanderbilt Univ., Nashville, TN 37203; Richard L. Blanton, Ph.D., and Jum C. Nunnally, Ph.D.

To study certain aspects of *language functioning* in the *deaf* which seem to be related causally with difficulty in using flexible and creative *thinking and expression*.

RD-1483-S (64-3).* VISIBLE SPEECH FOR THE DEAF. Wayne State Univ., Speech and Hearing Clinic, 4841 Cass Ave., Detroit, MI 48202; George A. Kopp, Ph.D.

To investigate those abilities of *deaf* people which seem critical for the successful use of *visible speech electronic equipment* as a training aid for speech improvement.

RD-1484-S (64-5).* COGNITIVE STRUCTURES RELATED TO VERBAL DEFICIENCY. Catholic Univ. of America, Washington, DC 20017; Hans G. Furth, Ph.D.

To determine how and to what extent *nonverbal concept learning* contributes to the development of cognition in the *deaf* and other *language-impaired individuals*.

RD-1520-S (64-1).* DEVELOPMENT OF REHABILITATION SERVICES FOR THE DEAF IN A COMPREHENSIVE FACILITY. Jewish Employment and Vocational Service, 17127 Locust St., St. Louis, MO 63114; Harold P. Wolff.

A pilot study to investigate the *feasibility* of providing *rehabilitation services to deaf adults* within a comprehensive rehabilitation facility. See also RD-1804.

RD-1526-S (64-1).* VERBAL FACILITATION FOR THE DEAF. San Fernando Valley State College, 18111 Nordhoff, Northridge, CA 91324; Ray L. Jones, Ph.D.

A pilot project to explore potential methods of *telephone communication* for the *deaf*.

RD-1575-S (65-1).* EYEGLASS DISPLAY FOR AID IN SPEECH READING. Texas Christian Univ., Fort Worth, TX 76129; Claude B. Elam, Ph.D.

To perfect an *eyeglass optical projection device* which would assist the deaf and hard of hearing in *lipreading* more accurately.

RD-1576-S (65-3).* DEAF ADULTS IN NEW ENGLAND: AN EXPLORATORY SERVICE PROGRAM. Morgan Memorial, Inc., 95 Berkeley St., Boston, MA 02116; Clifford A. Lawrence.

To determine how the *vocational training of deaf adults* can be performed effectively in a *comprehensive work-training center* established to serve all disability groups. See also RD-1304; RD-1804; RD-1932.

RD-1627-S (65-3).* INTERACTION OF DEAF AND HEARING IN BALTIMORE CITY, MARYLAND. Catholic Univ. of America, Washington, DC 20017; Paul H. Furfey, Ph.D., and Thomas J. Harte, Ph.D.

To study interactions between *deaf and hearing* persons in Baltimore, Maryland.

RD-1652-S (64-1).* YOUNG DEAF ADULTS: AN OCCUPATIONAL SURVEY. Arkansas Rehabilitation Service, 303 Educational Bldg., Little Rock, AR 72203; Henry Kronenberg, Ph.D.

A pilot project to conduct a *survey of occupational status* and needs of young deaf adults in six southwestern *States*.

RD-1687-S (65-1).* DIRECTORY OF SERVICES FOR THE DEAF. 1965 ed. Gallaudet College, Washington, DC 20002; Powrie V. Doctor, Ph.D.

A pilot project to develop an Annual *Directory* of American Services for the Deaf. See also RD-2050; RD-3068.

RD-1706-S (65-1).* A SURVEY OF THE SPEECH AND HEARING NEEDS OF RESIDENTS IN FOUR COUNTIES OF AN ECONOMICALLY DEPRESSED AREA. Northwestern State College, Tahlequah, OK 74464; Earl W. Blank, Ph.D.

To survey the *speech and hearing needs of residents* of four counties in an *economically depressed* area known to have speech and hearing problems.

RD-1717-S (65-2).* A PHYSICAL REFERENCE FOR BONE-CONDUCTION THRESHOLDS. Speech and Hearing Center, Univ. of Oklahoma Medical Center, 825 N.E. 14th St., Oklahoma, OK 73104; John W. Keys, Ph.D., and Gerald A. Studebaker, Ph.D.

To develop a *physical measurement standard* for testing *bone-conduction* hearing in order to improve *diagnostic* procedures for the hearing impaired.

RD-1721-S (65-3).* MEASURING THE EFFECTS OF SPEECH REHABILITATION FOR STUTTERERS. Western Reserve Univ., 2040 Adelbert Road, Cleveland, OH 44106; Martin A. Young, Ph.D.

To *develop and evaluate* tests, techniques, and electronic instruments for measuring the *speech rehabilitation* of adult *stutterers*.

RD-1725-S (65-3). AN ASSESSMENT OF THE RESULTS OF STUTTERING THERAPY. Northwestern Univ., 619 Clark St., Evanston, IL 60201; Hugo H. Gregory, Ph.D.

To *assess changes* in the speech and related *physiological and psychological* behavior of adult *stutterers* during group and individual *speech therapy*.

RD-1786-S (66-2).* HEREDITARY DEAFNESS IN MAN. Johns Hopkins Univ. Sch. of Medicine, Baltimore, MD 21205; Bruce W. Konigsmark, M.D.

To identify and define different types of *hereditary deafness* in man.

RD-1804-S (66-5). A VOCATIONAL REHABILITATION PROGRAM FOR THE DEAF IN A COMPREHENSIVE VOCATIONAL FACILITY. Jewish Employment and Vocational Service, 1727 Locust St., St. Louis, MO 63100; Samuel Bernstein.

IX. SPEECH AND HEARING DISORDERS

To demonstrate how the existing resources of a metropolitan *vocational training center* can be modified to meet the special needs of *unemployed deaf adults*. See also RD-1520; RD-1576; RD-1932.

Spec. rept. *Patterns for Effective Rehabilitation of Deaf Adults: An Introductory Guide for Creative Adaptation and Utilization.*

RD-1831-S (66-1).* REGIONAL REHABILITATION COUNSELING FACILITY FOR DEAF COLLEGE STUDENTS. Northeastern Univ., 360 Huntington Ave., Boston, MA 02115; George J. Goldin, Ph.D.

To plan the development of a *regional counseling facility* for *deaf students* attending college with persons having normal hearing.

RD-1897-S (66-1).* SIGNAL DETECTION PROCESSES IN THE HANDICAPPED. Vanderbilt Univ., Nashville, TN 37203; L. E. Thune, Ph.D., and Martin Katahn, Ph.D.

A project to determine the usefulness of recently perfected *signal detection* techniques for the study of *sensory and perceptual processes* in the handicapped.

RD-1899-S (66-3). DELAYED FEEDBACK AUDIOMETRY. Johns Hopkins Univ., Sch. of Medicine, Baltimore, MD 21205; Richard A. Chase, M.D.

To investigate the effects of *delayed auditory feedback* of human vocalizations upon the *control of speech* muscular activity during infancy and early childhood; to *develop new clinical techniques and instruments* for improved *detection and evaluation* of *hearing loss in preschool children.*

RD-1904-S (66-3).* SPEECH IDENTIFICATION AS A MEASURE OF DISCRIMINATION LOSS. Houston Speech and Hearing Center, 1343 Moursund Ave., Houston, TX 77025; James Jerger, Ph.D., and Charles Speaks, Ph.D.

To investigate a new *speech identification* procedure for measuring *discrimination loss* in hearing impaired adults; and to determine the extent to which speech discrimination ability can be modified by *operant conditioning.*

RD-1907-S (66-1).* TEACHING VOCAL PITCH PATTERNS USING VISUAL FEEDBACK FROM THE INSTANTANEOUS PITCH-PERIOD INDICATOR FOR SELF-MONITORING. Part I. A Comparison of Normal Speakers Under Three Learning Conditions. Part 2. Engineering Developments. Northeastern Univ., 360 Huntington Ave., Boston, MA 02115; Ladislav Dolansky, Ph.D.

To investigate the effectiveness of an *"instantaneous pitch indicator"* and similar instruments for teaching normal *speech inflection and rhythm to the deaf.* See also RD-2360.

RD-1932-S (66-3).* DEMONSTRATION OF THE FEASIBILITY OF PROVIDING REHABILITATION SERVICES FOR THE DEAF WITHIN A COMPREHENSIVE REHABILITATION CENTER FOR ALL THE DISABLED. Arkansas Rehabilitation Service, 211 Broadway, Room 227, Little Rock, AR 71901; Neal D. Little.

To investigate the feasibility of providing *rehabilitation services* to *deaf adults* within a *comprehensive* rehabilitation *center.* See also RD-1576; RD-1804.

RD-2018-S (66-4). EFFECTIVE VOCATIONAL GUIDANCE OF ADULT DEAF. Oregon State Board of Control, Salem, OR 97310; David G. Berger, Ph.D.

To survey "employable" deaf adults and deaf high school students to identify background characteristics and test performances which *predict* successful *vocational adjustment.*

RD-2021-S (66-3).* SOME EFFECTS OF ANXIETY DECONDITIONING UPON STUTTERING BEHAVIOR. Monterey Inst. for Speech and Hearing, 969 Pacific St., Monterey, CA 93940; Burl B. Gray, Ph.D.

To test the efficacy of a therapeutic program for adult *stutterers* based upon the principles of *reciprocal inhibition and desensitization.*

RD-2032-S (66-1).* TRANSLATION OF THE PROCEEDINGS OF THE AMERICAN CLEFT PALATE ASSOCIATION CONVENTION IN MEXICO. American Cleft Palate Assn., College of Health Related Services, Univ. of Florida, Gainesville, FL 32601; Peter Randall, M.D.

To provide for simultaneous English-Spanish *translation* of scientific papers at a pan-American conference on *cleft palate pathology and therapy.*

RD-2035-S (66-1).* A STUDY IN CLINICAL TRAINING IN SPEECH PATHOLOGY. Univ. of Kansas Medical Center, Kansas City, KS 66103; William M. Diedrich, Ph.D.

To investigate different methods for developing *clinical skills in speech* pathology.

RD-2036-S (66-1).* ESTABLISHMENT OF AN EVALUATION CENTER FOR DEAFNESS. DePaul Univ. 25 East Jackson Blvd., Chicago, IL 60604; McCay Vernon.

A pilot project to study the feasibility of establishing a *comprehensive metropolitan evaluation center* for the deaf. See also RD-2407.

RD-2050-S (66-3).* DIRECTORY OF SERVICES FOR THE DEAF IN THE UNITED STATES. 1966, 1967, 1968 eds. American Annals of the Deaf, Conference of Executives of American Schools for the Deaf, Florida Ave. N.W., Washington, DC 20002; Powrie V. Doctor, Ph.D.

To provide a comprehensive *annual directory* of services for the deaf in the United States. See also RD-1687; RD-3068.

RD-2051-S (66-1).* INTERNATIONAL SEMINAR IN STUTTERING AND BEHAVIOR THERAPY. Monterey Inst. for Speech and Hearing, 969 Pacific St., Monterey, CA 93940; Burl B. Gray, Ph.D.

To hold an international *research seminar* in speech pathology.

RD-2063-S (66-1).* DEVELOPMENT AND FEASIBILITY TESTS OF A VISUAL SPEECH TRAINER FOR THE DEAF. Gallaudet College, Washington, DC 20002; James M. Pickett, Ph.D.

To develop and test the feasibility of a *visible speech trainer* for the deaf.

RD-2074-S (66-1). COUNCIL OF ORGANIZATIONS SERVING THE DEAF: ANNUAL REPORT. Natl. Health Council, 1790 Broadway, New York, NY 10019; Peter Meek.

To study the feasibility of *establishing a National Council* of organizations of and for the *deaf*. See also RD-2917.

RD-2086-S (66-1).* A PILOT PROJECT TO DEVELOP MEANS FOR GREATER UTILIZATION OF COMMUNITY EDUCATIONAL AND TRAINING SERVICES BY ADULT DEAF PERSONS. San Fernando Valley State College, 18111 Nordhoff St., Northridge, CA 91326; Ray L. Jones, Ph.D.

A pilot project to develop means for greater utilization of *community educational and training* services by *adult deaf* persons.

RD-2128-S (66-3). CLINICAL DEMONSTRATION OF REHABILITATIVE AND PREVENTIVE PSYCHIATRIC PROGRAMS FOR THE DEAF. Research Foundation for Mental Hygiene, Rockland State Hospital, Orangeburg, NY 10962; John D. Rainer, M.D.

To demonstrate the value of *halfway houses and day care* programs for discharged *psychiatric deaf* patients, develop and test a preventive program, and provide *training for professional personnel* interested in specialized psychiatric services for the deaf.

RD-2131-S (67-2).* SPEECH THERAPY AND LANGUAGE RECOVERY IN SEVERE APHASIA. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To determine the effects of traditional *speech therapy* on language recovery in aphasia, and the effectiveness of *programmed instruction on language learning* with severely impaired aphasic patients.

RD-2165-S (66-1).* FIELD SERVICE IN SPEECH AND LANGUAGE FOR APHASICS. Ohio Dept. of Health, 450 East Town St., Columbus, OH 43216; Aileen MacKenzie, M.D., and William A. Grimm, Ph.D.

To demonstrate *methods* for *locating and giving language retraining* to hitherto unidentified *aphasics* who do not have access to rehabilitation services.

RD-2166-S (66-1).* PILOT PROJECT TO PLAN MENTAL HEALTH SERVICES FOR THE DEAF. Welfare Planning Council, Los Angeles Region, 731 South Hope St., Los Angeles, CA 90017; Robert J. Currie.

A pilot project to demonstrate and evaluate various methods of providing *mental health services* to the adult *deaf*. See also RD-2560.

RD-2180-S (67-1).* MODIFICATION OF STUTTERING BY RATE CONTROL. Univ. of Southern California, University Park, Los Angeles, CA 90007; William H. Perkins, Ph.D.

A pilot study to explore various methods for appreciably *reducing or eliminating stuttering* in adults' conversational speech through use of *operant conditioning* techniques. See also RD-3062.

RD-2207-G (67-3). COMPARISON OF DEAF AND HEARING WORKERS IN AEROSPACE INDUSTRY. Univ. of California, L.A., 405 Hilgard Ave., Los Angeles, CA 90024; J. S. Felton, M.D.

A study to compare injury, absence, termination rates, and job stability of *deaf and hearing* workers on similiar jobs.

RD-2264-S (67-3). COUNSELING AND COMMUNITY SERVICES FOR THE DEAF. Pittsburgh Hearing Society, 313 Sixth Ave., Pittsburgh, PA 15222; S. B. Craig, D.Litt.

To demonstrate the feasibility and effectiveness of a local hearing society establishing a comprehensive *counseling and community referral service* for the *deaf* in a metropolitan area.

RD-2266-S (67-3). PROMOTING CIVIL SERVICE EMPLOYMENT OF THE DEAF. D. C. Dept of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; E. P. Benoit, Ph.D.

To develop a broad program to *promote the employment of deaf* individuals in civil service jobs and to enhance their capabilities for promotion.

RD-2274-S (67-5). VERBAL REINFORCEMENT DURING THERAPY WITH STUTTERERS. Univ. of Pittsburgh, 4200 Fifth Ave., Pittsburgh, PA 15213; George H. Shames, Ph.D.

To establish a program for applying *operant conditioning* techniques to the *clinical management* of adult *stutterers* and to evaluate results.

RD-2275-S (67-2).* STUTTERING AND DISCRIMINATIVE AWARENESS. Univ. of Southern California, University Park, Los Angeles, CA 90007; William H. Perkins, Ph.D.

To investigate the *stutterer's* apparent *decrease in auditory, visual, and tactual discrimination* ability before, during, and after moments of stuttering and its effect on diagnosis and prognosis for *rehabilitation*.

IX. SPEECH AND HEARING DISORDERS

RD-2276-S (67-2). INVESTIGATION OF RECRUITMENT PHENOMENON IN THE HARD OF HEARING. Univ. of Southern California, University Park, Los Angeles, CA 90007; V. P. Garwood, Ph.D.

To investigate systematically the abnormal *increase of sound* in patients with *sensorineural hearing loss* which results in their inability to use hearing aids.

RD-2277-S (67-3). A SCALE FOR TESTING SPEECH DISCRIMINATION. Wayne State Univ. Detroit, MI 48202; John H. Gaeth, Ph.D.

To develop improved *tests of speech discrimination* ability for the hard of hearing.

RD-2289-S (67-1).* ELECTROMYOGRAPHIC ASSESSMENT OF PHARYNGEAL MUSCLE ACTIVITY IN LARYNGECTOMIZED PATIENTS: TECHNIQUES AND PRELIMINARY FINDINGS. Inst. of Medical Science, 2361 Clay St., San Francisco, CA 94115; Thomas Shipp, Ph.D.

To produce a *film* demonstrating a new diagnostic technique for assessing pharyngoesophageal muscle function in postlaryngetomized patients.

Film. *Electromyographic Assessment of Pharyngeal Muscle Activity in Laryngectomized Patients.*

RD-2308-S (67-1).* LANGUAGE DEVELOPMENT IN DEAF ADOLESCENTS AND ADULTS. Clarke Sch. for the Deaf, Round Hill Road, Northampton, MA 01060; Solis L. Kates, Ph.D.

A pilot project to determine whether *deaf adolescents and adults* are distinguished from hearing persons in their *ability to interpret multiple meaning words*. See also RD-2555.

RD-2315-S (66-1).* DEAF REPERTORY THEATRE. Eugene O'Neill Memorial Theater Foundation, 699 Madison Ave., New York, NY 10021; David Hays.

A pilot project to explore the feasibility of establishing a permanent *nonoral repertory theater* as a new *vocational field for the deaf* and for cultural enrichment. See also RD-868; RD-2474.

RD-2323-S (67-1).* THE ESTABLISHMENT OF AN INSTITUTE FOR THE STUDY OF DEAFNESS AND COMMUNICATIVE DISORDERS. Michael Reese Hospital and Medical Center, 29th and Ellis Ave., Chicago, IL 60616; Ezra Gordon.

A pilot project to determine the most desirable and appropriate *architectural and acoustical* plan for a multidisciplinary *center to serve the deaf* and persons with *communicative disorders*. See also RD-2481.

RD-2360-S (67-2).* TEACHING OF INTONATION PATTERNS TO THE DEAF USING THE INSTANTANEOUS PITCH-PERIOD INDICATOR. Northeastern Univ., 360 Huntington Ave., Boston, MA 02115; Ladislav Dolansky, Ph.D.

To determine the efficiency of the *Instantaneous Pitch-Period Indicator for training the deaf* to achieve proper rhythm and intonation patterns of speech. See also RD-1907.

RD-2361-S (67-2). THE DEVELOPMENT AND EVALUATION OF PROGRAMMED INSTRUCTION TECHNIQUES FOR APHASIA REHABILITATION. Univ. of Pittsburgh, 4200 Fifth Ave., Pittsburgh, PA 15213; Audrey L. Holland, Ph.D.

To develop and test the efficacy of *programmed instruction in the language rehabilitation* of adult *aphasics*.

RD-2401-S (67-1).* THE AUDIOLOGIC APPLICATION OF TESTS OF PHONEMIC DIFFERENTIATION. Univ. of Oklahoma Medical Center, Dept. of Communication Disorders, 800 N.E. 13th St., Oklahoma City, OK 73104; Gerald A. Studebaker, Ph.D.

A pilot project to investigate the possibility of developing a more effective *test instrument for evaluating hearing aids* through specially structured speech tests with emphasis on phonemic balance.

RD-2407-S (67-3). PSYCHIATRIC DIAGNOSIS, THERAPY, AND RESEARCH ON THE PSYCHOTIC DEAF. Michael Reese Hospital and Medical Center, 29th and Ellis Ave., Chicago, IL 60616; McCay Vernon.

To demonstrate the feasibility of providing psychological, psychiatric, and vocational rehabilitation services to the so-called *"psychotic deaf."* See also RD-2036.

RD-2408-S (67-1).* A PILOT PROJECT TO DEVELOP MENTAL HEALTH SERVICES FOR THE DEAF COMMUNITY IN THE SAN FRANCISCO BAY AREA. California Dept. of Mental Hygiene, Langley Porter Neuropsychiatric Inst., 401 Parnassus Ave., San Francisco, CA 94122; Hilde S. Schlesinger, M.D.

A pilot project to plan the development of a comprehensive *community mental health program* for the *deaf*. See also RD-2835.

RD-2410-S (67-1).* PSYCHIATRIC MANAGEMENT IN THE REHABILITATION OF SPEECH-HANDICAPPED PERSONS. California Dept. of Mental Hygiene, Langley Porter Neuropsychiatric Inst., 401 Parnassus Ave., San Francisco, CA 94122; Peter F. Ostwald, M.D.

A pilot project to determine the feasibility of developing a *mental health program* for the *speech handicapped*. See also RD-2835.

RD-2443-S (67-2). A STUDY OF MANPOWER NEEDS AND MANPOWER UTILIZATION IN SPEECH PATHOLOGY AND AUDIOLOGY. American Speech and Hearing Assn. 9030 Old Georgetown Road, Bethesda, MD 20014; William E. Castle, Ph.D.

To study *manpower* availability, needs, and utilization in the fields of *speech pathology and audiology*.

IX. SPEECH AND HEARING DISORDERS

RD-2446-S (67-1).* PROGRAM TO IMPROVE AND INCREASE HEARING/SPEECH/LANGUAGE SERVICES THROUGHOUT THE UNITED STATES. Natl. Assn. of Hearing and Speech Agencies, 919 18th St. N.W., Washington, DC 20006; Tom Coleman.

A pilot project to *demonstrate* and evaluate methods for improving and increasing *community hearing and speech services*.

RD-2453-S (67-3).* DEVELOPMENT OF A PREVOCATIONAL INVENTORY FOR THE DEAF. Lexington Sch. for the Deaf, 904 Lexington Ave., New York, NY 10021; Alan Lerman, Ph.D.

A project to develop a measure of *preferential activities* for the *deaf*, a measure of traits, needs, and capacities of the deaf, and the *standardization of a prevocational inventory*.

RD-2474-S (67-3). PROFESSIONAL THEATRE OF THE DEAF. Eugene O'Neill Memorial Theater Foundation, 699 Madison Ave., New York, NY 10021; David Hays.

A 3-year demonstration of a *nonoral repertory theater* company as a new vocational field for the *deaf*. See also RD-868; RD-2315.

RD-2481-S (67-5). ESTABLISHMENT OF A COMPREHENSIVE COMMUNITY OPERATION ATTEMPTING TO RESOLVE THE PROBLEMS OF DEAFNESS. Inst. for the Study of Exceptional Children and Adults, DePaul Univ., 25 East Jackson Blvd., Chicago, IL 60604; W. D. Phillips, Ed.D., and William Gellman, Ph.D.

To establish a comprehensive and unified *community service program for the deaf* utilizing multidisciplinary and multiagency approaches. See also RD-2323.

RD-2487-S (67-1).* PROCEEDINGS OF INTERNATIONAL CONFERENCE ON ORAL EDUCATION OF THE DEAF. 2 vols. Clarke Sch. for the Deaf, Round Hill Road, Northampton, MA 01060; George T. Pratt.

To hold an international *conference* on oral education of the *deaf*.

RD-2496-S (68-1).* THE EFFECT OF TRANSFORMING HIGH FREQUENCY ENERGY OF FRICATIVES TO LOW ON THE SPEECH OF THE DEAF. Clarke Sch. for the Deaf, Round Hill Road, Northampton, MA 01060; Philip A. Bellefleur, Ph.D.

A pilot study to determine the effect of transformed high frequencies of speech upon the *speech training of deaf students*.

RD-2499-S (68-1). SURVEY AND RECOMMENDATIONS FOR A SYSTEM TO DELIVER SERVICES TO THOSE VOCATIONALLY HANDICAPPED BY COMMUNICATION DISORDERS. Welfare Planning Council, L.A., 731 South Hope St., Los Angeles, CA 90017; Mrs. Alison K. Mauer.

A pilot project to design and test the feasibility of a central *coordinating* service which will provide *community services* for persons handicapped vocationally by *speech and hearing problems*.

RD-2552-S (67-3). SYMBOLIC AND LINGUISTIC PROCESSES IN THE DEAF. Vanderbilt Univ., Nashville, TN 37203; Richard L. Blanton, Ph.D. and J.C. Nunnally, Ph.D.

To produce instructional materials on *language acquisition* for use with the *deaf* and investigate related problems affecting the deaf in acquiring language.

RD-2555-S (68-3). LANGUAGE DEVELOPMENT IN DEAF ADOLESCENTS AND ADULTS. Clarke Sch. for the Deaf, Round Hill Road, Northampton, MA 01060; Solis L. Kates, Ph.D.

To determine whether there are *significant distinctions in word association and usage between deaf subjects* trained by various teaching methods. See also RD-2308.

RD-2559-S (68-4). PERCEPTUAL-LANGUAGE TEST BATTERY AND SCHOOL ACHIEVEMENT IN DISADVANTAGED CHILDREN. Univ. of Chicago, 5801 South Ellis Ave., Chicago, IL 60637; Paul S. Weiner, Ph.D.

To explore longitudinally the development of *perceptual abilities of culturally disadvantaged* children by means of a perceptual-language test battery.

RD-2560-S (68-3). PERSONAL AND FAMILY COUNSELING SERVICES FOR THE ADULT DEAF. Family Service of Los Angeles, 322 West 21st St., Los Angeles, CA 90007; Joseph Kane.

To study the effectiveness of *personal and family counseling* service in facilitating and maintaining the *vocational rehabilitation and adjustment* of the adult *deaf* in Los Angeles County. See also RD-2166.

RD-2573-S (68-1).* TO IMPLEMENT THE SUCCESSFUL PROFESSIONALIZATION OF THE REGISTRY OF INTERPRETERS FOR THE DEAF. Natl. Assn. of the Deaf, 2025 Eye St. N.W., Washington, DC 20006; Frederick C. Schreiber.

A project to *recruit, train, and determine competence of interpreters for the deaf* in order to implement successful *professionalization* of the Registry of Interpreters for the Deaf.

RD-2574-S (68-3). FACTORS OF AUDITORY PERCEPTION IN LANGUAGE LEARNING PROBLEMS. Univ. of Southern California, University Park, Los Angeles, CA 90007; Nancy E. Wood, Ph.D.

To develop methods for measuring specific factors in *auditory perception* and study their relationship in children with *language learning* problems.

RD-2575-S (68-3). MEASUREMENT OF ACOUSTIC PARAMETERS FOR SPEECH COMPRESSION TRANSPORTATION. Speech and Hearing Clinic, Pennsylvania State

Univ., University Park, PA 16802; George S. Haspiel, Ph.D.

To determine the specific *acoustic parameters* to be controlled in speech compression and spectrum shifting for optimum *speech discrimination* by the *hearing-impaired adult*.

Spec. rept. *Instructional Manual for the Experimental Speech Compressor*.

RD-2606-S (68-1).* ASSESSING THE ATTITUDES OF INDUSTRY HIRING PERSONNEL TOWARD EMPLOYMENT OF DEAF APPLICANTS. Alexander Graham Bell Assn. for the Deaf, 1537 35th St N.W., Washington, DC 20007; George W. Fellendorf.

A project to develop standarized interview instruments for *assessing attitudes of industry* hiring personnel toward employment of *deaf* applicants.

RD-2614-S (68-4). TYMPANOPLASTIC STUDIES IN OTITIS AND MASTOIDITIS. Univ. of California, L.A., 405 Hilgard Ave., Los Angeles, CA 90024; Victor Goodhill, M.D.

To study some of the basic mechanisms of repair in *reconstructive tympanic surgery*; clarify essential *physiologic requirements* for effective *reconstruction of the middle ear as a transducer*; determine normative indications and contraindications to tympanoplasty.

RD-2643-S (67-1). INTERNATIONAL RESEARCH SEMINAR ON THE VOCATIONAL REHABILITATION OF DEAF PERSONS. Natl. Assn. for the Deaf, 2025 Eye St. N.W., Washington, DC 20006; Robert G. Sanderson.

To conduct an international *research seminar* on the vocational rehabilitation of deaf persons.

RD-2664-S (68-5). NORTHWEST REGIONAL REHABILITATION CENTER FOR THE DEAF. Seattle Hearing and Speech Center, 1620 18th Ave., Seattle, WA 98122; Clyde E. Mott.

To establish a *comprehensive* rehabilitation *program* for persons with *deafness or severe hearing loss*.

RD-2681-S (68-2). DEVELOPMENT OF A REMOVABLE PROSTHETIC LARYNX. New York Medical College, Flower and Fifth Ave. Hospitals, 106th St. and Fifth Ave., New York, NY 10029; Stanley Taub, M.D.

To develop a removable *prosthetic larynx* for use in laryngectomized patients for the purpose of restoring speech.

RD-2684-S (68-5). A COMPREHENSIVE FACULTY PROGRAM FOR MULTIPLY HANDICAPPED DEAF ADULTS. Hot Springs Rehabilitation Center, Hot Springs, AR 71901; Donald G. Martin, Ph.D.

To establish a comprehensive vocational rehabilitation *facility* program for *multiple handicapped deaf* adults.

RD-2723-S (68-1).* IMPROVED VOCATIONAL TRAINING OPPORTUNITIES FOR DEAF PEOPLE. Univ. of Pittsburgh, Pittsburgh, PA 15213; William N. Craig, Ph.D.

A pilot project to demonstrate the feasibility of using existing *vocational and technical schools and junior colleges* customarily serving hearing students to serve graduates of secondary programs for the deaf. See also RD-2871; RD-3009; RD-3050.

RD-2746-S (68-1).* ANALYSIS OF FACTORS THAT CONTRIBUTE TO LIPREADING ABILITY. Univ. of Cincinnati, Cincinnati, OH 45221; Kenneth G. Donnelly, Ph.D.

A pilot project to investigate the *factors* which contribute to *skill and proficiency in lipreading* by providing methods for assessing this ability.

RD-2755-S (69-1). PLANNING PHASE FOR THE NATIONAL CENSUS OF DEAF PERSONS. Natl. Assn. of the Deaf, 2025 Eye St. N.W., Washington, DC 20006; Jerome D. Schein, Ph.D.

To develop a *design* for conducting a *National Census* of the *deaf*. See also RD-3158.

RD-2766-S (69-1). UNIVERSITY HABILITATION OF HARD OF HEARING YOUNG ADULTS. Utah State Univ., University Hill, Logan, UT 84321; Frederick S. Berg, Ph.D.

A Regional program to *explore* educational *resources* at the university level for the *habilitation of hard of hearing young adults*.

RD-2834-S (68-3). EVOKED CORTICAL POTENTIALS IN APHASIA. Univ. of Minnesota, Minneapolis, MN 55455; Hildred Schuell, Ph.D.

To explore the nature of interferences with *auditory perception in aphasia* and to study *stimuli that yield maximum responses* in order to provide rationale for treatment procedures.

RD-2835-S (68-3). MENTAL HEALTH SERVICES FOR THE DEAF: A PROGRAM OF RESEARCH AND SERVICES. Langley Porter Neuropsychiatric Inst., California Dept. of Mental Hygiene, 401 Parnassus Ave., San Francisco, CA 94122; Hilde S. Schlesinger, M.D.

To investigate the acquisition and usage of standard and nonstandard *language systems* in a study of *communicative skills* among preschool *deaf* children. See also RD-2408; RD-2410.

RD-2871-S (68-5). ACADEMIC AND VOCATIONAL EDUCATION PROGRAM FOR THE DEAF. Delgado College, 615 City Park Ave., New Orleans, LA 70119; Douglas O. Wells.

To demonstrate the feasibility of using existing vocational and technical schools and junior

colleges to serve *deaf* students. See also RD-2723; RD-3009; RD-3050.

RD-2917-S (69-4). IMPLEMENTATION OF COUNCIL OF ORGANIZATIONS SERVING THE DEAF (COSD). Council of Organizations Serving the Deaf, 4201 Connecticut Ave N.W., Washington, DC 20008; Mervin D. Garretson.

Implementation of "COSD" to bring together organizations of and for the deaf to provide a unified plan of action. See also RD-2074.

Spec. rept. *Accent on Unity: Horizons on Deafness*.

RD-2922-S (69-1). BEHAVIORAL ASPECTS OF DEAFNESS. Univ. of Illinois, Inst. for Research on Exceptional Children, 210 Education Bldg., Urbana, IL 61801; Stephen P. Quigley, Ph.D.

To prepare *publications* and perform *analyses of data* on various studies on *deafness*. See also RD-1299.

RD-2932-S (69-3). INVESTIGATION OF STUTTERERS: EVALUATION OF AN ECONOMIC TREATMENT. Rutgers-The State Univ., Rutgers Medical Sch., New Brunswick, NJ 08903; W. Edward McGough, M.D.

Evaluation and development of *therapy for stutterers*, utilizing tape recorders in a home therapy program.

RD-2952-S (69-3). LANGUAGE DEVELOPMENT IN THE MENTALLY RETARDED. Dept. of Psychology, Vanderbilt Univ., Nashville, TN 37203; Robert M. Liebert, Ph.D., and Richard D. Odom, Ph.D.

To investigate the effectiveness of live and *symbolic modeling techniques in language development* of educable *retarded*; to study effects of *cognitive and intellectual* development on *language production and comprehension*.

RD-3009-S (69-1). IMPROVED VOCATIONAL, TECHNICAL, AND ACADEMIC TRAINING OPPORTUNITIES FOR DEAF PERSONS. Seattle Community College, 1718 Broadway, Seattle, WA 98122; Herbert W. Barkuloo.

A project jointly funded by SRS/RD and USOE/BEH to *demonstrate the feasibility* of using existing *vocational and technical schools and community colleges* to serve *deaf students*. See also RD-2723; RD-2871; RD-3050.

RD-3050-S (69-1). IMPROVED VOCATIONAL, TECHNICAL, AND ACADEMIC TRAINING OPPORTUNITIES FOR DEAF PERSONS. St. Paul Area Technical Vocational Inst., 235 Marshall Ave., St. Paul, MN 55102; Robert R. Lauritsen.

A project jointly funded by SRS/RD and USOE/BEH to *demonstrate the feasibility* of using existing *vocational and technical schools and community colleges* to serve *deaf students*. See also RD-2723; RD-2871; RD-3009.

RD-3062-S (69-4). MODIFICATION OF STUTTERING BY BEHAVIORAL MANIPULATION OF CONVERSATIONAL SPEECH. Univ. of Southern California, University Park, Los Angeles, CA 90007; William H. Perkins, Ph.D.

To test the clinical impression that *Conversational Rate Control (CRC) therapy* will *produce fluency* in adult and adolescent *stutterers* that will generalize permanently to everyday situations. See also RD-2180.

RD-3067-S (69-1). PUBLICATION OF "RESEARCH AND PROFESSIONAL TRAINING IN DEAFNESS". Professional Rehabilitation Workers With The Adult Deaf (PRWAD), P.O. Box 125, Knoxville, TN 37901; Glenn T. Lloyd.

Dissemination of *research and training information* in the area of *deafness* though publication of the document entitled "Deafness."

RD-3068-S (69-3). AN ANNUAL DIRECTORY OF SERVICES FOR THE DEAF IN THE UNITED STATES. American Annals of the Deaf, Conference of Executives of American Schools for the Deaf, 5034 Wisconsin Ave N.W., Washington, DC 20016; Powrie V. Doctor, Ph.D.

Publication and distribution of an annual directory of *services for the deaf* in the United States. See also RD-1687; RD-2050.

RD-3073-S (69-1). FILM SUPPLEMENT TO PROFESSIONAL THEATRE OF THE DEAF. Eugene O'Neill Memorial Theatre Foundation, National Theatre of the Deaf, P.O. Box 206 - Suite 1012, New York, NY 10023; David A. Hays.

A project jointly funded by SRS/RD and USOE/BEH to produce a *film* concerning activities of the *National Theatre of the Deaf* in order to reach a broader audience and to *document work of deaf persons* in the theatre arts.

RD-3111-S (69-3). SYMBOLIC AND FORMAL OPERATIONAL THINKING IN DEAF ADOLESCENTS. Catholic Univ. of America, Dept. of Psychology, Washington, DC 20017; Hans G. Furth, Ph.D.

To *investigate formal operational behavior* in *deaf people* and to *relate* these findings to *Piaget's theory* on the development of intelligence.

RD-3116-S (69-2). INVESTIGATION OF SOME BEHAVIORAL AND LINGUISTIC VARIABLES UNDERLYING RECOVERY FROM APHASIA. Univ. of Pittsburgh, 4200 Fifth Ave., Pittsburgh, PA 15213; Audrey L. Holland, Ph.D.

To *explore* some of the basic *behavioral and psycholinguistic phenomena* that underlie *recovery from aphasia* and to study improvement in aphasic linguistic performance.

RD-3158-S (69-4). NATIONAL CENSUS OF THE DEAF. Natl. Assn. of the Deaf, 2025 Eye St. N.W., Washington, DC 20006; Jerome D. Schein, Ph.D.

To conduct a *national census* of the *deaf*; to obtain accurate estimates of the size of the deaf population of the United States, its geographical distribution, and its demographic and related characteristics. See also RD-2755.

RD-3267-S (69-5). IMPROVED VOCATIONAL, TECHNICAL, AND ACADEMIC OPPORTUNITIES FOR DEAF PEOPLE: RESEARCH COMPONENT. Univ. of Pittsburgh, 4535 Forbes Ave., Pittsburgh, PA 15213; William N. Craig, Ph.D.

A project jointly funded by SRS/RD and USOE/BEH to conduct and coordinate *research* related to a cooperative program using existing *vocational and technical schools and community colleges* to serve *deaf* students.

RD-3268-S (69-5). IMPROVED VOCATIONAL, TECHNICAL AND ACADEMIC OPPORTUNITIES FOR DEAF PEOPLE: DEMONSTRATION COMPONENT. Seattle Community College, 1718 Broadway, Seattle, WA 98122; Herbert W. Barkuloo.

A project jointly funded by SRS/RD and USOE/BEH to *demonstrate the feasibility of using existing vocational and technical schools and community colleges* to serve *deaf* students.

RD-3269-S (69-5). IMPROVED VOCATIONAL, TECHNICAL, AND ACADEMIC OPPORTUNITIES FOR DEAF PEOPLE: DEMONSTRATIONS COMPONENT. St. Paul Area Technical Vocational Inst., 235 Marshall Ave., St. Paul, MN 55102; Robert R. Lauritsen.

A project jointly funded by SRS/RD and USOE/BEH to *demonstrate the feasibility of using existing vocational and technical schools and community colleges* to serve *deaf* students.

RC-36-S (65-1).* THE PRISONER RELEASED. Family Service Association of America, 44 East 23rd St., New York, NY 10010; Stephan Chodorov.

"Plays for Living" are intended to give dramatic emphasis to situations in the community which need recognition, greater understanding, discussion, and at times action. This one exposes the problem of hearing impairment, which is widespread but obscure. It dramatizes the deeply disturbing influence on the victim, his family, and his work, and suggests a solution. See also RD-2309.

RD-1 (55-1).* NATIONAL SURVEY OF PERSONNEL STANDARDS AND PERSONNEL PRACTICES IN SERVICES FOR THE BLIND. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; Alexander F. Handel.

To study the functions, salaries, and *characteristics of persons who work with the blind* in order to standardize job duties and qualifications.

RD-5 (55-4).* GREENHOUSE AND NURSERY TRAINING FOR THE BLIND IN A VOCATIONAL REHABILITATION SETTING. Georgia Division of Vocational Rehabilitation, State Office Bldg., Atlanta, GA 30303; R. G. Nelms.

To expand employment opportunities for the *blind* by determining and demonstrating the *greenhouse and nursery jobs* that they can be trained to do.

RD-31 (55-1).* MUSIC THERAPY IN THE REHABILITATION OF THE ADULT BLIND. Kansas State Dept. of Social Welfare, Division of Services for the Blind, Topeka, KS 66603; Robert Unkefer.

To evaluate the effectiveness of *music therapy* as part of an overall program for rehabilitation of the *blind*.

RD-46 (56-1).* DEVELOPMENT OF A SIGHT SUBSTITUTE FOR THE BLIND. SITE, Incorporated, 723 Frazier Court, Topeka, KS 66606; M. A. McCollom.

To do research into the possibility of developing, through electronics and other means, practical *sight substitutes* for the *blind*.

RD-84 (56-1).* ADJUSTMENT CENTER FOR THE BLIND. Minnesota Society for the Blind, 1936 Lyndale Ave. South, Minneapolis, MN 55403; Byron M. Smith.

To establish a *regional facility* to provide adjustment, training, and workshop services to *blind* persons from a number of States.

RD-90 (57-1).* DIVERSIFIED FARMING ACTIVITIES FOR THE BLIND. Cincinnati Assn. for the Blind, 1548 Central Parkway, Cincinnati, OH 45210; Jules D. Williams.

To increase agricultural work opportunities for the blind by demonstrating the diversity of *farming activities* which can be successfully performed by the *blind*.

RD-96 (56-2).* REHABILITATION OF DEAF-BLIND PERSONS. 7 vols. 1. A Manual for Professional Workers. 2. Communication: A Key to Service for Deaf-Blind Men and Women. 3. Report of Medical Studies on Deaf-Blind Persons. 4. A Report of Psychological Studies With Deaf-Blind Persons. 5. Studies in the Vocational Adjustment of Deaf-Blind Adults. 6. Recreation Services for Deaf-Blind Persons. 7. Survey of Selected Characteristics of Deaf-Blind Adults in New York, Fall 1957. Industrial Home for the Blind, 57 Willoughby St., Brooklyn, NY 11205; George E. Keane.

To define successful *methods* used in the rehabilitation of the deaf-blind; and to develop a *manual and guide* which can be used nationally in setting up rehabilitation services and identifying job opportunities for the deaf-blind.

Spec. rept. *Committee on Services for the Deaf-Blind: Report to the World Assembly, World Council for Welfare of the Blind.*

RD-111 (57-3).* CORRELATING SERVICES AVAILABLE TO FARMERS. Alabama Inst. for the Deaf and Blind, P.O. Drawer 268, Talladega, AL 35160; B. Q. Scruggs.

To demonstrate the benefits of *coordinating the services* of the State vocational rehabilitation agency and the agricultural agencies in rehabilitating *blind farmers*.

Film. *Candle in the Night.*

RD-113 (57-3).* EVALUATION OF THE FRANKLIN INSTITUTE ELECTRONIC CANE. Franklin Inst., 20th and the Parkway, Philadelphia, PA 19103; Wallace E. Frank.

To test the value of an *electronic cane* as an aid in assisting *blind* persons in independent travel.

RD-132 (57-3).* STUDY OF SELECTED UNEMPLOYED BLINDED VETERANS AND DEMONSTRATION OF THE EFFECTIVENESS OF THE COORDINATED USE OF COMMUNITY RESOURCES IN THE TOTAL REHABILITATION OF WORLD WAR II AND KOREA SERVICE-CONNECTED BLIND VETERANS. Blinded Veterans Assn., 3408 Wisconsin Ave. N.W., Washington, DC 20016; Donald E. Elsburgh.

To facilitate the vocational rehabilitation of unemployed *blinded veterans* of World War II and Korea by demonstrating the effect of maximum coordinated use of *community resources*.

RD-157 (57-3).* IMPROVING AND ACCELERATING THE PROCESS OF RAISING THE HEARING OF BLINDED PERSONS TO A GREATER DEGREE OF USEFULNESS. Cleveland Society for the Blind, 1958 East 93rd St., Cleveland, OH 44106; Cleo B. Dolan.

To explore the extent to which *adjustment to blindness* can be accelerated by bringing the *hearing of newly blinded persons* to the highest degree of usefulness.

Spec. rept. *Training Hearing to Greater Usefulness.*

RD-188 (57-3).* AN INVESTIGATION OF VOCATIONAL SUCCESS WITH THE BLIND. Purdue Research Foundation, Purdue Univ., Lafayette, IN 47907; Joseph Tiffin, Ph.D.

An investigation of the *potentialities and abilities* which are related to the vocational and *occupational success* of the *blind*.

RD-282 (59-2).* A HAPTIC INTELLIGENCE SCALE FOR THE ADULT BLIND. Illinois Inst. of Technology, Technology Center, Chicago, IL 60616; H. C. Shurrager, Ph.D.

Standardization of a *performance scale* to improve the assessment of the *aptitudes and capacities* of *blind adults*. See also RD-1412.

RD-304 (58-3).* COMPARISON OF THE EFFECTIVENESS OF A 16-WEEK TRAINING PROGRAM WITH A 12-WEEK TRAINING PROGRAM IN THE REHABILITATION OF BLINDED ADULTS AT ST. PAUL REHABILITATION CENTER. The Catholic Guild for the Blind, 65 Franklin St., Boston, MA 02110; James Sullivan.

To study the effectiveness of *adjustment* training programs of varying lengths for the *adult blind*.

RD-315 (58-3).* AUDITORY REHABILITATION FOR HEARING-IMPAIRED BLIND PERSONS. Industrial Home for the Blind, 57 Willoughby St., Brooklyn, NY 11201; George E. Keane.

To identify the travel and vocational problems of *hard-of-hearing blind* persons and develop a pilot program of aural rehabilitation services for this group.

RD-346 (59-3).* ATTITUDES AND BLINDNESS: COMPONENTS, CORRELATES AND EFFECTS. Columbia Univ., N.Y. School of Social Work, 9 East 90th St., New York, NY 10028; Martin Whiteman, Ph.D.

To study the nature and determinants of *attitudes of sighted* society toward blindness and the *effects of these attitudes on blind people*. See also RD-835.

RD-351 (58-1).* BELIEVING IS SEEING. Film. Minneapolis Society for the Blind, 1936 Lyndale Ave. South, Minneapolis, MN 55405; Henry A. Daum.

To develop an educational and informational *film* to facilitate increased use of a *regional rehabilitation center for the blind*.

RD-352 (58-1).* BEAUTY FOR THE SIGHTED AND THE BLIND. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; M. Robert Barnett.

To assist in making available selected technical material for use in the vocational rehabilitation of the *blind*.

RD-378 (59-1).* A STUDY OF THE EFFECT OF AUTOMATIC MACHINE ADMINISTRATION OF THE KUDER PREFERENCE RECORD UPON THE RESPONSES OF BLIND AND SIGHTED INDIVIDUALS. North Carolina Commission for the Blind, Raleigh, NC 27601; William M. Cannon.

To develop improved methods for *measuring the vocational preference* of *blind* persons.

RD-428 (60-1).* REHABILITATION OF THE BLIND: A TIME FACTOR STUDY. State Dept. of Public Welfare, Helena, MT 59601; Theodore Carkulis.

To identify, define, and evaluate *factors* affecting the vocational rehabilitation of *blind persons* residing in a predominantly *rural* State.

RD-433 (59-1).* DIGITAL ENCIPHERING OF ENGLISH INTO BRAILLE. Wayne State Univ., Detroit, MI 48202; W. Givens, Ph.D.

To develop an economical method for the mass translation of *inkprint into Braille* through the use of *electronic computers*.

RD-439 (60-3).* PERSONNEL REFERRAL SERVICE: A NATIONAL CLEARING HOUSE FOR JOBS AND PERSONNEL IN THE FIELD OF BLINDNESS - REPORT OF ACTIVITIES. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; Alexander F. Handel.

To develop more effective procedures for attracting qualified *personnel* in work with the *blind*.

Spec. rept. *Salaries for Selected Occupations in Services for the Blind, May 1961.*

RD-442 (60-2).* OPHTHALMOLOGY AND BLINDNESS. Georgetown Univ., 37th and O Sts. N.W., Washington, DC 20007; J. F. O'Rourke, M.D.

To establish a teaching program in a university hospital which provides *residents in ophthalmology* with background data for *clinical experience* in problems of *rehabilitating the blind*.

RD-510 (60-3).* IDENTIFICATION AND TEACHING OF AUDITORY CUES FOR TRAVELING IN THE BLIND. C. W. Shilling Auditory Research Center, 340 Long Hill Road, Groton, CT 06340; J. D. Harris, Ph.D.

From the study of effective *blind travelers*, to identify and develop ways to *train novices* in the use of *auditory cues* in relation to other cues and aids.

RD-539 (60-3).* CORRELATING SERVICES AVAILABLE TO FARMERS. Virginia Commission for the Visually Handicapped, 3003 Parkwood Ave., Richmond, VA 23221; D. C. MacFarland, Ph.D.

A demonstration project to test the feasibility of agriculture as a vocation for legally blind persons.

RD-556 (61-1).* THE DEVELOPMENT OF BASIC RESEARCH MATERIALS AND A MANUAL ON THE USE OF RECORDED TEXTBOOKS. Recording for the Blind, 121 East 58th St., New York, NY 10022; Burnham Carter.

To identify methods to *improve the efficiency* with which recorded textbooks, monographs, and other *recorded materials* are *used by the blind*.

Spec. rept. *How to Use Educational Recordings Effectively: A Manual Prepared for Blind Students and Guidance Counselors*.

RD-567 (60-3).* REGIONAL TRAINING FACILITY FOR PIANO TUNER TECHNICIANS. Alabama Inst. for the Deaf and Blind, Adult Blind Dept., P.O. Drawer 17, Talladega, AL 35160; E. H. Gentry.

To establish a *regional facility* to provide *piano tuner technician* training for *blind* persons from a number of States.

RD-587 (61-2).* TACTUAL SYMBOLS FOR THE BLIND. American Printing House for the Blind, 1829 Frankfort Ave., Louisville, KY 40206; C. Y. Nolan, Ph.D.

To investigate the ability of *blind* persons to discriminate, recognize, and recall *tactual symbols* and other aids as a means of increasing the effectiveness of graphs, charts, and maps for the blind.

RD-633 (61-3).* A STUDY FOR THE PURPOSE OF ESTABLISHING THE RELATIVE PRODUCTIVITY OF TECHNIQUES FOR PLACING BLIND PERSONS IN COMPETITIVE EMPLOYMENT. Mississippi Division of Rehabilitation for the Blind, P.O. Box 1669, Jackson, MS 39205; Raymond D. Williams.

To study improved methods for *placing blind and partially sighted* persons in competitive employment.

RD-634 (60-2).* PROCEEDINGS OF THE INTERNATIONAL CONGRESS ON TECHNOLOGY AND BLINDNESS. 4 vols. 1. Panel I--Man-Machine Systems; Panel V--Plenary Session. 2. Panel II--Living Systems. 3. Panel III--Sound Recording and Reproduction; Panel IV--Adapted and Special Purpose Devices. 4. Catalog Appendix. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; M. Robert Barnett.

To gather and analyze information on *technical devices* used in this country and abroad designed for the education, rehabilitation, and personal aid of blind persons; to disseminate and *exchange* such *information* both *nationally and internationally*; and to develop methods for continuing exchange of information.

RD-654 (61-2).* MECHANICAL DEVICES FOR THE BLIND. Maryland Workshop for the Blind, 2901 Strickland St., Baltimore, MD 21223; William S. Ratchford.

To *develop and adapt tools* and other devices for use by *blind* persons in their occupations and daily living.

RD-670 (61-3).* RAVEN PROGRESSIVE MATRICES FOR PRESENTATION TO THE BLIND. Texas Technological College, Lubbock, TX 79406; R. P. Anderson, Ph.D.

To develop a *tactual adaptation* of the *Raven Progressive Matrices* for use in measuring the intellectual capacity of the *blind*.

RD-672 (61-1).* THE BLIND: SPACE NEEDS FOR REHABILITATION. Oklahoma State Univ. College of Engineering, Stillwater, OK 74074; F. Cuthbert Salmon.

To prepare *architectural guides* and criteria for the design of *rehabilitation centers for the blind*.

RD-740 (61-2).* TEACHING WOODWORKING TO VISUALLY HANDICAPPED PERSONS: AN INSTRUCTOR'S GUIDE. Univ. of Illinois, Industrial Education Division, Urbana, IL 61801; Robert A. Tinkham.

To evaluate and develop *instructional materials* for training the *blind* in selected shop areas such as *woodworking*.

RD-779-S (61-1).* PIANO INDUSTRY CONFERENCE HELD AT PERKINS SCHOOL FOR THE BLIND. Perkins Sch. for the Blind, 175 North Beacon St., Watertown, MA 02172; E. J. Waterhouse, Ph.D.

To conduct a *conference* of selected authorities in the field of blindness for the purpose of determining the *employment opportunities* for and training needs of *blind piano tuner technicians*.

RD-799-S (61-3).* REGIONAL REHABILITATION CENTER RESEARCH AND DEMONSTRATION PROJECT. San Francisco Lighthouse for the Blind, 1097 Howard St., San Francisco, CA 94103; George W. Felton.

To develop a *comprehensive service program* to meet the varied vocational, social, and personal needs of *blind and deaf-blind* persons residing in a large geographical area.

RD-835-S (62-2).* THE SOCIAL SOURCES OF ADJUSTMENT TO BLINDNESS. Graduate Sch. of Social Work, Univ. of Pittsburgh, Pittsburgh, PA 15213; Irving F. Lukoff.

To analyze data already collected in a previous study as related to *factors* which *affect* satisfactory *adjustment to blindness*. See also RD-346.

RD-869-S (62-3).* DEVELOPMENT OF A SOLUTION TO THE PROBLEM OF PRESERVING AND CIRCULATING LITERATURE CONCERNING BLINDNESS. American Assn. of Workers for the Blind, 1511 K St. N.W., Washington, DC 20005; Isabella S. Diamond.

To develop a complete *bibliographic reference* of selected 19th century *literature* relevant to the *vocational rehabilitation* of the *blind*. See also RD-2877.

RD-871-S (62-1).* Final report in 3 vols. 1. PROCEEDINGS OF THE MOBILITY RESEARCH CONFERENCE. 2. IDENTIFYING AND TEACHING AUDITORY CUES FOR TRAVELING IN THE BLIND. 3. MOBILITY RESEARCH CONFERENCES. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; John K. Dupress.

To conduct a *series of conferences* of selected authorities in the field of blindness in order to *identify researchable areas* in *mobility aids and training* for the *blind*.

RD-898-S (63-3). STANDARDIZATION OF PERKINS-BINET TESTS FOR THE BLIND. Perkins Sch. for the Blind, 175 North Beacon St., Watertown, MA 02172; Carl J. Davis.

To adapt the *Stanford-Binet* intelligence scale for *legally blind* children and young adults.

RD-915-S (62-3). COUNSELING AND PLACEMENT OF BLIND PERSONS IN PROFESSIONAL OCCUPATIONS: PRACTICE AND RESEARCH. New York Assn. for the Blind. 111 East 59th St., New York, NY 10022; Allan W. Sherman.

To demonstrate the feasibility and effectiveness of specialized *counseling, placement, and relocation* services for *blind* persons trained in the several professions.

Spec. rept. *A manual of Practices and Procedures in the Establishment and Operation of a Professional Counseling and Placement Service.*

RD-970-S (62-1).* PLANNING FOR A PROGRAM OF STATEWIDE MOBILITY SERVICES FOR THE VISUALLY HANDICAPPED. Society of St. Vincent de Paul, 4140 Lindell Blvd., St. Louis, MO 63108; Thomas J. O'Donnell, M.S.W.

To study the feasibility of establishing a *statewide* program of *mobility services* for the *visually handicapped*. See also RD-1179.

RD-1004-S (62-5).* REGIONAL REHABILITATION SERVICE FOR DEAF-BLIND PERSONS. Industrial Home for the Blind, 57 Willoughby St., Brooklyn, NY 11201; Peter J. Salmon.

To establish a *regional* rehabilitation *service* for *deaf-blind* persons.

Spec. repts. 1. *New Frontiers for Research on Deaf-Blindness.* 2. *Instructions in Physical Orientation and Foot Travel for Deaf-Blind Persons: A Lesson Plan Outline.*

RD-1018-S (63-4).* CORNEAL REPLACEMENT WITH OPTICAL PROSTHESES. Eye-Bank for Sight Restoration, 210 East 64th St., New York, NY 10021; M. Martinez, M.D.

To develop and test a *synthetic corneal prosthesis*.

RD-1082-S (63-4).* INDEPENDENT TRAVEL TRAINING FOR BLIND CHILDREN. Catholic Charities, 126 North Desplaines St., Chicago, IL 60606; Marian C. Quinn.

To determine if *mobility skills* for blind adults can be used successfully with *blind children* in a *school system*.

RD-1086-S (63-1).* TRAINING FOR INCREASING BRAILLE READING RATES. American Printing House for the Blind, 1839 Frankfort Ave., Louisville, KY 40206; Carson Y. Nolan, Ph.D.

To determine the effectiveness of two types of paced practice for increasing the *rate* at which *blind* people can *read Braille*.

RD-1094-S (63-2).* TEST BATTERY FOR USE WITH THE BLIND. Six-part test kit with manuals. 1. The Vocational Intelligence Scale for the Adult Blind. 2. The Tactual Reconstruction Pegboard. 3. The Sound Test: An Auditory Projective Technique. 4. The Sentence Completion Test. 5. The Diagnostic Interview. 6. The Personal History Survey - Form W. Univ. of Wichita, 1845 Fairmount, Wichita, KS 67208; Robert J. Teare, Ph.D.

To develop *tests* for use with *blind* people in assessing *personality and performance*.

Spec. rept. *Correlates of Adjustment to Vision Loss: A Symposium.*

RD-1107-S (63-3).* A MOBILITY AID FOR THE BLIND TO SUPPLEMENT THE CANE. Stanford Research Inst., 333 Ravenwood Ave., Menlo Park, CA 94025; K. W. Gardner.

To explore devices which will supplement the long cane as a *mobility aid* to inform the *blind traveler* of obstacles in his path above the waist.

RD-1167-S (63-2).* A STUDY OF PROGRAMMED INSTRUCTION IN BRAILLE. Univ. of Wisconsin, Madison, WI 53706; Rick Heber, Ph.D.

To determine the feasibility of using *programmed learning* techniques and *teaching machines* to teach *Braille* to *newly blinded adults*.

RD-1179-S (63-2).* COMMUNITY PROGRAM OF ORIENTATION AND MOBILITY SERVICES FOR THE BLIND IN MISSOURI. Society of St. Vincent de Paul, 4140 Lindell Blvd., St. Louis, MO 63108; Thomas J. O'Donnell.

To establish a *Statewide program* to provide *mobility training to blind* persons throughout the State of Missouri. See also RD-970.

RD-1198-S (63-2).* A PILOT DEMONSTRATION OF THE USE OF THE BRITISH TAPE PROGRAM IN MARYLAND AND VIRGINIA, AND A COMPARISON WITH THE TALKING BOOK AND CURRENT AMERICAN TAPE PROGRAM. Virginia Commission for the Visually Handicapped, 3003

Parkwood Ave., Richmond, VA 23221; D. C. MacFarland, Ph.D.

To evaluate a system for providing *tape recorded books* for *blind* which will enlarge the reading materials available to blind persons.

RD-1232-S (63-3).* COLLEGE PREPARATION OF BLIND PROSPECTIVE COLLEGE STUDENTS. Arkansas Enterprises for the Blind, Southwest Rehabilitation Center for the Blind, 2811 Fair Park Blvd., Little Rock, AR 72204; J. D. Murphy.

To demonstrate and evaluate a *precollege personal adjustment and orientation training* course for *blind* prospective college students.

RD-1296-S (65-4).* ACHIEVING REHABILITATION POTENTIAL WITH MULTIPLE DISABLED BLIND PERSONS. Cleveland Society for the Blind, 1909 East 101st St., Cleveland, OH 44106; Cleo B. Dolan.

To demonstrate the effectiveness of a *community-oriented* rehabilitation center program for *blind persons with multiple disabilities* who have previously been determined *vocationally unfeasible* by the State rehabilitation agency.

RD-1306-S (65-3).* AN INDUSTRIAL WORKSHOP-HOMEWORK DEMONSTRATION FOR THE VOCATIONAL REHABILITATION OF THE OLDER BLIND AND THE MULTIPLE HANDICAPPED BLIND IN THE STATE OF NEW HAMPSHIRE. Services to the Blind, Division of Welfare, New Hampshire Dept. of Health and Welfare, State House Annex, Concord, NH 03301; Carl Camp.

To demonstrate the value of an industrial, *workshop-homework program* for the vocational rehabilitation of the *older blind*.

RD-1330-S (63-1).* TO DETERMINE THE IMPACT ON REHABILITATION OF BLIND PERSONS BY HAVING A PSYCHIATRIST IN THE KEY ROLE IN A REHABILITATION CENTER FOR THE BLIND. Catholic Guild for All the Blind, 770 Centre St., Newton, MA 02158; T. E. Caulfield, M.D.

To study the influence of increased *psychiatric services* in the total rehabilitation of the *blind*. See also RD-1487.

RD-1336-S (64-4).* THE FEASIBILITY OF USING A WELL ORGANIZED TRADE SCHOOL AS A REGIONAL FACILITY FOR TRAINING BLIND STUDENTS. N.D. State Sch. of Sciences, Wahpeton, ND 58075; James A. Horton.

To demonstrate the effectiveness of a vocational training program for the *blind* in an *accredited trade school*.

RD-1382-S (64-3).* THE VISUAL RESPONSES OF THE PARTIALLY SIGHTED. Eye Research Foundation of Bethesda, 8710 Old Georgetown Road, Bethesda, MD 20014; Robert H. Peckham, Ph.D.

To measure visual responses in the partially sighted; specifically, to compare *electroretinograms* to *perceptual* evidence of seeing, and to establish minimal requirements for the *visual discrimination* of form.

RD-1383-S (64-1).* A DIAGNOSTIC TEST OF GRADE TWO BRAILLE MISPERCEPTIONS: A PILOT STUDY. Boston Univ., 755 Commonwealth Ave., Boston, MA 02115; Leo F. Hanley.

To construct and evaluate a *diagnostic instrument* designed to isolate and categorize types of misperceptions in reading *Grade Two Braille* symbols. See also RD-2030.

RD-1406-S (64-1).* A PLANNING STUDY FOR ORIENTATION AND MOBILITY INSTRUCTION IN THE SCHOOLS OF LOS ANGELES COUNTY. Los Angeles State College, 5151 State College Drive, Los Angeles, CA 90032; F. E. Lord, Ph.D.

A planning grant to survey the needs for *mobility instruction* in Los Angeles County and to develop a master plan for mobility instruction in the *public schools* of that area. See also RD-1784.

RD-1407-S (64-5).* AN INTERNATIONAL RESEARCH AND INFORMATION SERVICE FOR THE BLIND. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; Milton D. Graham.

To establish a center for the *collection, storing, and dissemination* of information from *various countries* about research and development activities relevant to visual impairment.

RD-1412-S (64-1).* MANUAL FOR THE HAPTIC INTELLIGENCE SCALE FOR ADULT BLIND. Illinois Inst. of Technology, Chicago, IL 60611; Harriett C. Shurrager, Ph.D.

To produce *test kits* of the *Haptic Intelligence Scale for Adult Blind*, with manuals and record forms, for distribution to schools and organizations serving the blind. See also RD-282.

RD-1436-S (64-1).* REPORT ON THE STUDY OF THE NEED AND FEASIBILITY OF ESTABLISHING AND MAINTAINING A REGIONAL REHABILITATION CENTER FOR THE BLIND. Columbia Lighthouse for the Blind, 2021 14th St N.W., Washington, DC 20009; J. Arthur Johnson.

A planning grant to study the need and feasibility of establishing and maintaining a *regional rehabilitation center for the blind* serving Delaware, the District of Columbia, Maryland, Virginia, and West Virginia.

RD-1480-S (64-5).* COMPREHENSIVE ADJUSTMENT SERVICES FOR THE BLIND. Rehabilitation Inst., 261 Brady St., Detroit, MI 48201; Joseph N. Schaeffer, M.D.

To demonstrate the feasibility and desirability of providing comprehensive services for the

blind in a *general rehabilitation institute* rather than in a separate facility.

RD-1485-S (64-3).* TRAINING OF THE BLIND FOR PROFESSIONAL COMPUTER WORK. Univ. of Cincinnati College of Medicine, Cincinnati, OH 45219; Theodor D. Sterling, Ph.D.

To explore the feasibility of training intelligent *blind* persons to function independently as *computer programmers*, making available for them a new field of professional activity.

RD-1487-S (64-3).* THE IMPACT ON REHABILITATION OF BLIND PERSONS OF PLACING A FULL-TIME PSYCHIATRIST IN THE KEY ROLE IN A REHABILITATION CENTER FOR THE BLIND. Catholic Guild for All the Blind, 770 Centre St., Newton, MA 02158; Rev. Thomas J. Carroll.

To evaluate short-term and long-term effects upon *newly blinded* trainees and staff when a *psychiatrist* assumes the full-time position of Director-Administrator in a rehabilitation center for the blind. See also RD-1330.

RD-1512-S (64-1).* THE BLIND IN EDP. Assn. of Computing Machinery, 211 East 43rd St., New York, NY 10017; Theodor D. Sterling, Ph.D.

To support a *conference* on ways of training and placing the *blind in professional computer work*.

Spec. rept. *The Selection, Training, and Placement of Blind Computer Programmers*.

RD-1530-S (64-1).* PLAN FOR A COMPREHENSIVE REHABILITATION CENTER FOR THE BLIND. Community Service for The Blind, 50 Whitehall St. S.W., Atlanta, GA 30303; Oscar Turk.

A pilot project to plan for the establishment of a *comprehensive rehabilitation center* for the *blind*.

RD-1531-S (64-1).* HOUSING NEEDS OF BLIND PERSONS IN MINNEAPOLIS AND HENNEPIN COUNTY, MINNESOTA. Minneapolis Society for the Blind, 1936 Lyndale Ave. South, Minneapolis, MN 55403; Mrs. Lee Johnston.

A planning grant to study the availability and adequacy of *housing facilities* for *blind* persons in Minneapolis and Hennepin County, Minnesota. See also RD-1956.

RD-1571-S (65-2).* USING RAISED LINE DRAWINGS AS TACTUAL SUPPLEMENTS TO RECORDED BOOKS FOR THE BLIND. Recordings for the Blind, 121 East 58th St., New York, NY 10022; Jasha Levi.

To determine how and to what extent *raised line drawings* can be improved as tactual supplements to *recorded books for the blind*.

Supplement to final report. *Informative Tactile Stimuli in the Perception of Direction*.

Spec. rept. *Manual for the Construction of Raised Line Diagrams*.

RD-1578-S (64-3).* PRE-COLLEGE ORIENTATION OF BLIND HIGH SCHOOL GRADUATES. Research Foundation of State Univ. of New York, P.O. Box 7126, Albany, NY 7126; Leo Jivoff, M.D.

To demonstrate the value of a *precollege summer orientation program* for *blind students* who have been accepted by a college.

RD-1612-S (65-1).* A TEST OF INTELLECTUAL POTENTIAL FOR THE ADULT BLIND. Alabama Inst. for Deaf and Blind, P.O. Drawer 17, Talladega, AL 35160; A. Ralph Bishop.

A pilot project to develop a *perceptual test of intellectual potential* for use with *adult blind* persons.

RD-1618-S (64-1).* THE NEW REHABILITATION CENTER OF THE FLORIDA COUNCIL FOR THE BLIND. Florida Council for the Blind, P.O. Box 1229, Tampa, FL 33601; W. Murdock Martin.

A pilot project to plan the construction and establishment of a *comprehensive rehabilitation center* for the *blind*.

RD-1625-S (65-3).* STANFORD-OHWAKI-KOHS TACTILE BLOCK DESIGN INTELLIGENCE TEST FOR THE BLIND. Stanford Univ. Sch. of Medicine, 300 Pasteur Drive, Palo Alto, CA 94305; William L. Dauterman.

To refine and field test a *nonverbal performance test* for the blind: The Ohwaki-Kohs Tactile Block-Design Intelligence Test for the Blind.

Spec. repts. 1. *Manual for the Stanford-Ohwaki-Kohs Block Design Test for the Blind.* 2. *Manual for the Stanford-Kohs Block Design Test for the Blind.*

RD-1626-S (65-2).* ADAPTING THE RANDOLPH-SHEPPARD VENDING STAND PROGRAM TO THE ADVANCES OF AUTOMATION. 2 vols. 1. Final Report. 2. Operations Manual. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; Stephen A. Gambaro.

To develop techniques, machine modifications, and training procedures which will permit *automatic vending machines* to be stocked, *serviced*, and managed by *blind persons*.

RD-1663-S (65-1).* TESTING THE ABILITY OF THE BLIND TO DISCRIMINATE COLOR AND PATTERN WITH THEIR FINGERS. Barnard College, 606 West 120th St., New York, NY 10027; Richard P. Youtz, Ph.D.

A pilot project to test the ability of the *blind* to *discriminate color* and pattern with their fingers.

RD-1683-S (65-1).* Final report in 2 vols. 1. CODE OF BRAILLE TEXTBOOK FORMATS AND TECH-

NIQUES. 2. THE NEMETH CODE OF BRAILLE MATHEMATICS AND SCIENTIFIC NOTATION. American Printing House for the Blind, 1839 Frankfort Ave., Louisville, KY 40206; Marjorie S. Hooper.

To produce *inkprint and Braille* editions of the new *Braille Code for Textbooks and the Revised Nemeth Code of Braille Mathematics and Scientific Notations*.

RD-1750-S (65-1).* STUDY OF CERTAIN STRESS REACTIONS OF BLIND SUBJECTS. Catholic Guild for All the Blind, 770 Centre St., Newton, MA 02158; Leo H. Riley, M.D.

A pilot research project to study the *stress reactions of blind persons* in certain situations.

RD-1766-S (65-1).* A STUDY OF PSYCHOLOGICAL AND EDUCATIONAL PROBLEMS INVOLVED IN TRAINING THE BLIND IN COMPUTER SKILLS. Univ. of Southern California, University Park, Los Angeles, CA 90007; William H. Mitchel.

A pilot project to determine how best to assess the *psychological and educational* problems involved in the *selection and training* of *blind* persons as *computer programmers*.

RD-1784-S (66-3).* DEMONSTRATION OF HOME AND COMMUNITY SUPPORT NEEDED TO FACILITATE MOBILITY INSTRUCTION FOR BLIND YOUTH. Los Angeles State College, 5151 State College Drive, Los Angeles, CA 90032; Francis E. Lord.

To develop and demonstrate a *master plan* for *mobility instruction* of blind *adolescents* and young adults in a large metropolitan area. See also RD-1406.

RD-1826-S (65-1).* VOCATIONAL ADJUSTMENT TO FAILING VISION: THE VALUE OF OBJECTIVE PREDICTORS IN RETINOPATHY. Catholic Guild for All the Blind, 770 Centre St., Newton, MA 02158; Leo H. Riley, M.D.

A pilot project to establish and validate *clinical predictors* of *retinopathy* in persons with *declining visual capacities*.

RD-1836-S (65-1).* THE COMSTAC REPORT: STANDARD FOR STRENGTHENED SERVICES. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; Alexander F. Handel.

To develop and codify *national standards of performance* for specialized agencies serving the *blind*.

RD-1846-S (67-3). OPTICAL AIDS CLINIC. Oregon Commission for the Blind, 535 S.E. 12th Ave., Portland, OR 97214; K. Nolen Tanner, M.D.

To extend services of an established *optical aids clinic* to a larger portion of the legally *blind and visually handicapped* of Oregon, Washington, and Idaho.

RD-1898-S (66-2).* SURVEY OF SALARIES FOR SELECTED OCCUPATIONS IN SERVICES FOR THE BLIND, JANUARY 1966. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; Harold G. Roberts.

To study current level of *salaries and education* of *professional and administrative personnel* who work with the blind.

Spec. repts. 1. *Salaries for Selected Occupations in Services for the Blind*. 2. *How Well Are They Paid?*

RD-1901-S (66-1).* A RESEARCH PROJECT RELATED TO THE PLACEMENT OF THE BLIND IN PROFESSIONAL, CLERICAL, INDUSTRIAL AND SERVICE OCCUPATIONS. Dept. of Public Welfare, Room 102, Health and Welfare Bldg., Harrisburg, PA 17120; Norman M. Yoder.

To study the *employment and performance* of blind employees in *industrial, clerical, and service* occupations and to determine current *hiring and placement practices*.

Spec. repts. 1. *Placing the Blind and Visually Handicapped in Clerical, Industrial, and Service Fields*. 2. *Placing the Blind and Visually Handicapped in Professional Occupations*. 3. *Needed Research in the Behavioral Sciences and the Humanities With Reference to Work With The Blind*.

RD-1906-S (66-3).* PSYCHO-SOCIAL FACTORS IN THE VOCATIONAL REHABILITATION OF THE BLIND. Division of Vocational Rehabilitation, Dept. of Public Education, Box 1118, Hato Rey, PR 00919; Carlos Albizu-Miranda, Ph.D.

To conduct a *descriptive census* of the *blind population* in order to establish a *permanent registry* and to study a random sample of the adult blind in terms of *psychosocial factors* which affect *adjustment* to blindness, decision to seek vocational rehabilitation, and degree of success when they do.

RD-1908-S (66-1).* FIELD-TESTING OF THE RFB PORTABLE DISC PLAYER. Recording for the Blind, 215 East 58th St., New York, NY 10022; Jasha Levi.

To field test a *portable, battery-operated phonograph* with blind students to determine its efficiency, durability, and value in the education of the blind.

RD-1951-S (66-1).* PSYCHOLOGICAL FACTORS PERTINENT TO THE SELECTION AND PERFORMANCE OF BLIND COMPUTER PROGRAMMERS. Univ. of Southern California, University Park, Los Angeles, CA 90007; William M. Mitchel.

To develop *Computer Instruction and Training Assistance for the Blind* (CITAB). Project's focus: How to use computers to benefit the visually handicapped; utilization of blind persons

in computer field; development and evaluation of training devices; and formulation of psychological tests to select blind students for computer training.

RD-1956-S (66-3). TO DEMONSTRATE THE SIGNIFICANT ACHIEVEMENTS IN THE VOCATIONAL ADJUSTMENT OF BLIND PERSONS THROUGH THE PROVISION OF SPECIALIZED SERVICES. Minneapolis Society for the Blind, 1926 Lyndale Ave. South, Minneapolis, MN 55403; Byron M. Smith.

To demonstrate effective utilization of *community resources* to meet the special needs of the *older blind*. See also RD-1531.

RD-1969-S (65-1).* EARLY REHABILITATION SERVICES FOR THE BLIND. Jewish Guild for the Blind, 1880 Broadway, New York, NY 10023; M. Anne McGuire.

A pilot project to determine the best method for *locating and providing rehabilitation services* to persons who have *recently become blind*.

RD-2012-S (66-1).* AN INVENTORY AND ANALYSIS OF SERVICES FOR THE BLIND IN METROPOLITAN PITTSBURGH. Metropolitan Pittsburgh Agencies for the Blind, 201 North Bellefield Ave., Pittsburgh, PA 15213; D. D. Dauwalder, Ph.D.

To plan for a model *regional saturation* program for rehabilitating the *blind and visually impaired* in the Pittsburgh area.

RD-2030-S (66-1).* THE CONSTRUCTION AND EVALUATION OF AN INDIVIDUAL DIAGNOSTIC TEST OF BRAILLE PERCEPTION ABILITY. Boston Univ., 755 Commonwealth Ave., Boston, MA 02215; Leo F. Hanley.

A research project to *construct*, validate, and standardize a *test of misperceptions* of Grade Two Braille by beginning blind readers. See also RD-1383.

RD-2049-S (66-1).* TO ASSESS THE PROFICIENCY OF THE BLIND AS TAPE DUPLICATOR OPERATORS. Virginia Commission for Visually Handicapped, 3003 Parkwood Ave., Richmond, VA 23221; Henry C. Seward.

To ascertain the feasibility of training and employing *blind* persons to be *tape duplicator technicians* for Talking Books and to identify other areas of tape distribution which can be performed by blind operators.

RD-2064-S (66-1).* PRELIMINARY STUDY OF THE FEASIBILITY OF ELECTROCORTICAL PROSTHESIS. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., New York, NY 10461; H. G. Vaughan, Jr., M.D., and Herbert Schimmel, Ph.D.

A pilot study of the feasibility of an *optical-electronic system* to provide *visual perception* to the blind through electrical stimuli to the visual cortex. See also RD-2667.

RD-2065-S (66-3).* TEACHING ORIENTATION AND MOBILITY TO MENTALLY RETARDED BLIND. Boston College, Chestnut Hill, MA 02167; John R. Eichorn.

To determine the most successful methods of teaching *orientation and mobility* to *mentally retarded blind* individuals living in a residential institution.

RD-2174-S (66-1).* POSTURAL DETERMINANTS AND MOBILITY REHABILITATION IN THE BLIND. Dept. of Children and Family Services, 404 New State Office Bldg., Springfield, IL 62706; Douglas E. Inkster.

To investigate determinants in *postural divergencies* in the *blind*; study correlation between *malposture and mobility* problems and develop techniques for diagnosis and treatment of them. See also RD-2563.

RD-2185-S (66-1).* THE FOUR SENSES: IMAGINATION AND FLIGHT. Smithsonian Inst., Washington, DC 20560; G. C. Lindsay and Charles Blitzer.

A pilot project to produce an *experimental* museum *exhibit* for the *blind*.

RD-2287-S (66-1).* DEVELOPMENT AND STANDARDIZATION OF SYMBOLS AND IMPROVEMENT IN THE DESIGN OF TACTUAL ILLUSTRATIONS FOR THE BLIND. Univ. of Maryland, College Park, MD 20742; Joseph W. Wiedel.

A pilot project to test the feasibility of developing a set of *tactual symbols* and to improve the design for illustrations used in Braille *mobility and thematic maps*. See also RD-2557.

RD-2318-S (67-1).* DEVELOPMENT OF A PERSONAL PRINT READER FOR THE BLIND. Research Laboratories for Engineering Sciences, Univ. of Virginia, Charlottesville, VA 29903; J. W. Moore, Ph.D., and E. S. McVey, Ph.D.

A pilot project to construct and test the engineering feasibility of working models of a *rapid print reader* for the blind.

RD-2405-S (67-5).* REMUNERATIVE EMPLOYMENT OF MULTIPLE HANDICAPPED BLIND PERSONS. Natl. Industries for the Blind, 50 West 44th St., New York, NY 10036; R. C. Goodpasture.

A pilot study to determine the need of *employment* in sheltered *workshops by multiple handicapped blind* persons and the possibility of securing appropriate contracts. See also RD-2819.

RD-2406-S (67-5). STRENGTHENING SERVICES FOR THE VISUALLY HANDICAPPED THROUGH THE APPLICA-

TION OF STANDARDS. Natl. Accreditation Council for Agencies Serving the Blind and Visually Handicapped, 84 Fifth Ave., New York, NY 10011; Alexander F. Handel.

To develop evaluation tools for implementing *standards* of performance for specialized agencies and institutions serving the blind and to train personnel in the accreditation process.

Spec. repts. 1. *Self-Study and Evaluation Guide for Residential Schools.* 2. *Self-Study and Evaluation Guide for Sheltered Workshops.* 3. *Self-Study and Evaluation Guide.*

RD-2444-S (67-2).* SEEING WITH THE SKIN: DEVELOPMENT OF A TACTILE TELEVISION SYSTEM. Inst. of Medical Sciences, 2361 Clay St., San Francisco, CA 94115; Paul Bach-y-Rita, M.D.

To develop a *sensory substitution system* for the blind.

RD-2469-S (67-1).* PLANNING OPERATIONS OF MARY DUKE BIDDLE ART GALLERY FOR THE BLIND. North Carolina Museum of Art, Raleigh, NC 27602; Charles W. Stanford, Jr.

A pilot project to develop a comprehensive plan for making the *facilities* of the North Carolina Museum of Art available to the *entire blind population* of the State. See also RD-2868.

RD-2472-S (67-3). DEVELOPMENT OF A SHELTERED WORKSHOP LABORATORY TO SERVE AGENCIES FOR THE BLIND. Natl. Industries for the Blind, 50 West 44th St., New York, NY 10036; R. C. Goodpasture.

To create and operate an *industrially oriented sheltered workshop demonstration laboratory* in which new products suitable for production in ongoing workshops for the *blind* may be developed.

RD-2475-S (67-2).* OPTICAL-TO-TACTILE CONVERSION AIDS FOR THE BLIND. Stanford Univ., Stanford, CA 94305; James C. Bliss, Ph.D.

To develop, through psychological testing and engineering design, *systems for optical-to-tactile image conversion* for use by the visually handicapped.

RD-2480-G (67-5). REGIONAL FACILITY--PSYCHIATRIC SERVICE FOR THE BLIND. Catholic Guild for All the Blind, 770 Centre St., Newton, MA 02158; Rev. Thomas J. Carroll.

To establish a *regional facility* to provide psychiatric services to *blind* persons who are receiving rehabilitation services.

RD-2489-S (67-1).* TAXPAYER ASSISTOR DEMONSTRATION TRAINING. Arkansas Enterprises for the Blind, 2811 Fair Park Blvd., Little Rock, AR 72204; J. O. Murphy.

A pilot project to test the feasibility of training *blind* individuals to function as *tax assistors*. See also RD-2867.

Spec. repts. 1. *Taxpayer Assistor Demonstration Training: Interim Report.* 2. *Instruction Manual.*

RD-2497-S (67-1).* AN ANALYSIS OF EVALUATION PROCEDURES, DISABILITY TYPES, AND RECOMMENDED TREATMENTS FOR 100 DEAF-BLIND CHILDREN. Syracuse Univ., 201 Marshall St., Syracuse, NY 13210; W. Scott Curtis, Ph.D., and Edward T. Donlon.

A pilot project to analyze the evaluation procedures, disability types, and recommended treatment for 100 *deaf-blind* children in order to identify the most effective procedures for use with this group.

RD-2554-S (68-2). VOCATIONAL ADJUSTMENT FOLLOW-UP STUDY OF GROUPS OF THE VISUALLY HANDICAPPED. Regents Of Univ. of Michigan, 2008 Administration Bldg., Ann Arbor, MI 48104; Geraldine T. Scholl, Ph.D.

To study the *vocational adjustment* of selected groups of visually impaired adults who received vocational counseling.

RD-2557-S (67-2). TACTUAL MAPPING: DESIGN, REPRODUCTION, READING, AND INTERPRETATION. Univ. of Maryland, College Park, MD 20740; Joseph W. Wiedel.

To develop *guidelines* for the *design and production* of *orientation-mobility maps* which can be reproduced in substantial numbers at a modest unit price. See also RD-2287.

RD-2563-S (68-3). POSTURAL DETERMINANTS IN THE BLIND. Dept. of Children and Family Services, 404 New State Office Bldg., Springfield, IL 63706; Thomas J. Murphy.

A clinical research project to examine the relationship between *posture and mobility* in blind individuals and to *test the effectiveness of specified corrective measures* in terms of improved mobility skill. See also RD-2174.

RD-2602-S (67-1).* FOURTH QUINQUENNIAL CONFERENCE. Perkins Sch. for the Blind, 175 North Beacon St., Watertown, MA 02172; Edward J. Waterhouse.

To hold an International *Conference* of Educators of Blind Youth and to conduct two *leadership projects*, one for administrators and one for educators.

RD-2603-S (67-1).* DEVELOPMENT OF A BRAILLE MEDICAL DICTIONARY. Hadley Sch. for the Blind, 700 Elm St., Winnetka, IL 60093; Donald W. Hathaway.

To develop and make available to blind persons in professional and clerical positions a 52-volume *braille medical dictionary*.

RD-2618-S (68-1).* DEVELOPMENT OF A SYLLABUS FOR INSTRUCTION OF COMMUNICATIVE SKILLS TO THE BLIND. Arkansas Enterprises for the Blind, 2811 Fair Park Blvd., Little Rock, AR 72204; J. O. Murphy.

To develop a *syllabus* designed to meet individual needs for instruction in *communication skills* in a rehabilitation center for the *blind*.

RD-2667-S (68-3). FEASIBILITY STUDIES: ELECTRO-CORTICAL PROSTHESIS. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Herbert G. Vaughan, Jr., M.D.

To continue study of the feasibility of a *visual prothesis* based on delivering *patterned electrical stimuli* to the visual cortex of the *totally blind*. See also RD-2064.

RD-2689-S (68-3). INVESTIGATION INTO OPTIMUM EMPLOYMENT PROCEDURES IN COMPUTING. Assn. for Computing Machinery, 211 East 43rd St., New York, NY 10017; Theodor D. Sterling, Ph.D.

To investigate the best methods and procedures by which *blind* workers in the *computer field* can maintain and enhance their position.

RD-2819-S (68-3). EXPANDING SHELTERED WORKSHOP EMPLOYMENT OPPORTUNITIES FOR MULTI-HANDICAPPED BLIND PERSONS. Natl. Industries for the Blind, 50 West 44th St., New York, NY 10036; William A. Taylor.

To demonstrate the values and limitations of specially selected *sheltered workshop tasks* which are presumed to be appropriate for *multi-handicapped blind* persons and to ascertain the degree to which such contracts may be incorporated into the workshop structure. See also RD-2405.

RD-2867-S (68-2). TRAINING 50 BLIND PERSONS TO WORK AS TAXPAYER ASSISTORS FOR THE INTERNAL REVENUE SERVICE. Arkansas Enterprises for the Blind, 2811 Fair Park Blvd., Little Rock, AR 72204; Elmo A. Knoch, Jr.

To prepare 50 *blind* persons for employment as Taxpayer Assistors for the Internal Revenue Service throughout the United States. See also RD-2489.

RD-2868-S (68-2). DEVELOPMENT AND OPERATION OF MARY DUKE BIDDLE GALLERY FOR THE BLIND. North Carolina Museum of Art, Raleigh, NC 27602; Charles W. Stanford, Jr.

To continue the comprehensive plan of making the *Mary Duke Biddle Gallery for the Blind* available to the *entire blind population* of North Carolina. See also RD-2469.

RD-2877-S (68-1). PRESERVING AND CIRCULATING LITERATURE CONCERNING BLINDNESS. American Assn. of Workers for the Blind, 1511 K St. N.W., Washington, DC 20005; Isabella S. Diamond.

To *up date information* in the Annotated Card Catalogue for locating and identifying books, literature, and periodicals on *blindness*. See also RD-869.

RD-2912-S (69-3). TRAINING AND PLACEMENT OF BLIND PERSONS IN SERVICE JOBS IN HOSPITAL SETTINGS. American Foundation for the Blind, 15 West 16th St., New York, NY 10011; Arthur L. Voorhees.

To *demonstrate* through development and validation methods and *techniques* for providing *on-the-job training* of *blind persons* in service jobs in *hospital settings* and to *publish a manual* of such methods and techniques.

RD-3703-S (69-1). MAN'S HUMANITY TO MAN -- A LEGAL PHILOSOPHICAL APPROACH TO EVOLUTION OF REHABILITATION PROGRAMS FOR BLIND PERSONS AND OTHERS. Industrial Home for the Blind, 57 Willoughby St., Brooklyn, NY 11201; George E. Keane, J.D.

A pilot study to *examine* the philosophical and legal elements which have motivated the *establishment* of public and private *rehabilitation services* for the *blind* and others; to *publish* the historical development that influenced the current character of these services.

RC-3-S (60-4).* SPECIAL LANGUAGE PROJECTS: FINAL EVALUATION REPORT. 2 vols. 1. *Russian*. 2. *German*. Georgetown Univ., Washington, DC 20007; L. E. Dostert, Ph.D.

To develop, test, and report on a special program of instruction for *blind* students to acquire competency in transcribing and *translating recorded materials* in the Russian language, thus providing new employment opportunities for the blind.

Spec. rept. *Intensive Language Program for Blind Students: Evaluation Report*.

RC-8-S (61-7). SENSORY AIDS AND PROSTHETICS RESEARCH AND DEVELOPMENT. Massachusetts Inst. of Technology, Cambridge, MA 02139; Dwight M. Baumann, Sc.D., Robert W. Mann, Sc.D., and T.B. Sheridan, Sc.D.

To investigate and develop new and improved *sensory aids* and *prosthetic devices* for the *blind* and for other severely handicapped persons.

Spec. repts. 1. *Evaluation of Energy and Power Requirements for Externally Powered Upper-Extremity Prosthetic and Orthopedic Devices*. 2. *Evaluation Report on Work in Progress on Sensory Aids and Prosthetics*. 1962 ed. 3. *Braille Translation by Computer*. 4. *Tactile Communication With Air Jets*. 5. *Evaluation Report on Work in Progress on Sensory Aids and Prosthetics*. 1964 ed. 6. *Development of a Punched-Tape-to-Braille "Direct" and Continuous Mechanical Trans-*

ducer. 7. *Towards Making Braille as Accessible as Print.*

RC-18-S (65-4). SENSORY AIDS FOR THE BLIND. Massachusetts Inst. of Technology, Cambridge, MA 02139; Vito Proscia.

A contract to establish a *Sensory Aids Evaluation Center* to test and perfect existing and new sensory aids for the blind.

Spec. repts. 1. *Annual Final Report.* 4 vols. 1965-68. 2. *Proceedings: Braille Research and Development Conference, 1966.* 3. *Proceedings: Conference for Mobility Trainers and Technologists*, 1967. 4. *Conference on New Processes for Braille Manufacture*, 1967. 5. *Proceedings: Conference on New Processes for Braille Manufacture*, 1968.

RC-22-S (65-2). TWO-YEAR PROGRAM OF TEACHER-TRAINING AND RESEARCH ON TEACHING AIDS FOR THE BLIND. Georgetown Univ., 37th and O Sts. N.W., Washington, DC 20007; R. Ross MacDonald.

A contract to *develop methodology* for training blind persons to become effective *foreign language teachers of sighted students.*

RC-23-S (65-1). SPECIAL PROGRAM IN CHINESE AND ARABIC FOR BLIND STUDENTS. Occidental College, 1600 Campus Road, Los Angeles, CA 90042; Leon Dostert, Ph.D.

A contract to investigate the feasibility of *training blind* students to become *teachers or specialists in Arabic and Chinese* and to develop *special teaching aids* for blind language specialists.

RC-35-S (66-1). TO PROMOTE AND FACILITATE THE APPLICATION OF TECHNICAL ADVANCES COMING FROM THE SPACE AND DEFENSE PROGRAMS TO REHABILITATION RESEARCH AND PRACTICES. Bio-Dynamics, Inc., 207 Bent St., Cambridge, MA 20721; Robert E. O'Brien.

A contract to *promote and facilitate* the application of *technological advances* from the Space and Defense programs to rehabilitation research and practice as related to the blind.

RC-37-S (66-1). EVALUATION OF AN UPWARD BRAILLE WRITING DEVICE. IIT Research Inst., 10 West 35th St., Chicago, IL 60616; J. A. Sullivan.

A contract to design and produce prototypes of a low cost, durable, upward *Braille writing device* which will permit writing from left to right with correct reading orientation.

RC-38-S (67-1). DESIGN AND DEVELOPMENT OF A COLLAPSIBLE FOLDING CANE. IIT Research Inst., 10 West 35th St., Chicago, IL 60616; H. J. Schulthesz.

To develop and fabricate a practical, economic, and convenient *collapsible cane* for the blind.

SELECTED DEMONSTRATIONS

Optical Aids Clinics (for persons with low visual acuity or currently classified as blind in order to increase their opportunities for employment)

RD-226 (58-4).* VISUAL AIDS CLINIC. Washington Univ., Skinker and Lindell Blvds., St. Louis, MO 63105; Benjamin Milder, M.D.

RD-235 (58-4).* LOW VISION OPTICAL AIDS CENTER AT THE GRADY MEMORIAL HOSPITAL. Georgia Division of Vocational Rehabilitation, State Office Bldg., Atlanta, GA 30303; A. P. Jarrell.

RD-263 (58-4).* LOW VISION OPTICAL AIDS CLINIC. Indiana Univ. Medical Center, Dept. of Ophthalmology, 1100 West Michigan St., Indianapolis, IN 46207; Fred M. Wilson, M.D.

RD-276 (58-4).* LOW VISION CENTER -- PENNSYLVANIA WORKING HOME FOR THE BLIND. Pennsylvania Working Home for The Blind, 36th and Lancaster Ave., Philadelphia, PA 19104; Neale R. Curtin.

RD-277 (58-2).* THE OKLAHOMA CLINIC FOR THE FITTING OF OPTICAL AIDS FOR THE NEAR BLIND. State Division of Vocational Rehabilitation, 307 Will Rogers Bldg., Oklahoma, OK 73105; Robert W. King, M.D.

RD-348 (58-3).* LOW VISION AIDS CLINIC. Grace-New Haven Community Hospital, 789 Howard Ave., New Haven, CT 06504; C. Phillips, M.D.

RD-398 (59-4).* VISION REHABILITATION CLINIC. Rhode Island Assn. for the Blind, Rooms 39-49 Arcade Bldg., Providence, RI 02903; Mrs. H. W. Worden.

RD-399 (59-3).* LOW VISION OPTICAL AIDS CLINIC. Vanderbilt Univ. Hospital, Nashville, TN 37203; Richard O. Cannon, M.D.

RD-400 (59-4).* LOW VISION CLINIC FOR ADVANCING USE OF OPTICAL AIDS. Cleveland Society for the Blind, 1958 East 93rd St., Cleveland, OH 44106; Cleo B. Dolan.

RD-416 (59-3).* OPTICAL AIDS CLINIC. Utah Commission for the Blind, 309-315 East 1st South, Salt Lake City, UT 84111; Donald W. Perry.

RD-498 (60-3).* LOW VISION OPTICAL AIDS CLINIC. Univ. of Texas Southwestern Medical Sch., 5323 Harry Hines Blvd., Dallas, TX 75235; C. W. Browning, M.D.

RD-515 (60-3).* LOW VISUAL AIDS CLINIC. Univ. of Mississippi Medical Center, 2500 North State St., Jackson, MS 39216; S. B. Johnson, M.D.

RD-525 (60-2).* LOW VISION OPTICAL AIDS CLINIC. John J. McCook Memorial Hospital, 2 Holcomb St., Hartford, CT 06112; L. H. Harris, M.D.

RD-563 (60-3).* OPTICAL AIDS CLINIC. Mobile General Hospital, 850 St. Anthony St., Mobile, AL 36603; Eugene de Juan, M.D.

RD-570 (60-3).* OPTICAL AIDS CLINIC. State Division of Vocational Rehabilitation, State Capitol Bldg., Room W-400 Charleston, WV 25305; Earl W. Wolfe.

RD-590 (61-3).* LOW VISION OPTICAL AIDS CLINIC. Nevada State Welfare Dept., Bureau of Service to the Blind, P.O. Box 1331, Reno, NV 89504; John Ruiz.

RD-617 (61-4).* A DEMONSTRATION OF EXTENDING OPTICAL AID CENTER SERVICES, SKILLED KNOWLEDGE, AND RESEARCH DATA TO LOCAL COMMUNITIES. Univ. of Miami, Coral Gables, FL 33146; Edward W. Norton, M.D.
Spec. rept. *Low Vision Aids: A Practical Manual.*

RD-701 (61-4).* LOW-VISION CLINIC. Presbyterian Eye, Ear and Throat Charity Hospital, 1017 East Baltimore St., Baltimore, MD 21202; Richard E. Hoover, M.D.

RD-852-S (62-3).* LOW VISION CLINIC. Sinai Hosptial of Detroit, 6767 West Outer Drive, Detroit, MI 48235; Morris J. Mintz, M.D.

RD-876-S (63-1).* CLINIC FOR THE FITTING OF OPTICAL AIDS FOR THE NEAR BLIND. Arkansas Enterprises for the Blind, 2811 Fair Park Blvd. Little Rock, AR 72204; J. B. Cross, M.D.

RD-1241-S (64-3).* OPTICAL AIDS CLINIC. Eye Research Foundation of Bethesda, 8710 Old Georgetown Road, Bethesda, MD 20014; William M. Hart, M.D.

RD-1327-S (64-3).* LOW VISION CLINIC FOR INDIVIDUALS WHO ARE SEVERELY VISUALLY HANDICAPPED. Dept. of Social Services, P.O. Box 339, Honolulu, HI 96809; Mrs. Yasuko Takemoto.

RD-1344-S (64-3).* ROTARY LOW VISION CLINIC. Marquette Univ. Sch. of Medicine, 561 North 15th St., Milwaukee, WI 53203; John Hitz, M.D.

RD-1542-S (65-3).* GREATER CINCINNATI LOW VISION LENS SERVICE FOR PARTIALLY SIGHTED PERSONS LIVING IN FIVE COUNTIES IN OHIO AND KENTUCKY. Cincinnati Assn. for the Blind, 1548 Central Parkway, Cincinnati, OH 45210; Benj. P. Groves.

RD-1787-S (66-3).* LOW VISION CLINIC. Research for Health in Erie Co., Edward J. Meyer Memorial Hospital, 462 Grider St., Buffalo, NY 14215; W. Yerby Jones, M.D.

RD-1974-S (66-3). PROTOTYPE - LOW VISION CLINIC. Research Foundation of State Univ. of New York, P.O. Box 7126, Albany, NY 12224; James L. McGraw, M.D.

RD-2026-S (66-3).* VOCATIONAL REHABILITATION OF THE LEGALLY BLIND AND VISUALLY HANDICAPPED THROUGH ESTABLISHMENT OF AN OPTICAL AIDS CLINIC. Univ. of Tennessee, College of Medicine, 62 South Dunlap, Memphis, TN 38103; Roger L. Hiatt, M.D.

SELECTED DEMONSTRATIONS
Mobility and Orientation Instruction of the Blind

RD-1168-S (63-3).* ITINERANT INSTRUCTION IN ORIENTATION AND MOBILITY FOR BLIND ADOLESCENTS IN PUBLIC SCHOOLS. Alameda Co. Sch. Dept., 224 West Winton Ave., Hayward, CA 94544; D. E. Johnson, Ph.D.

RD-1169-S (63-3).* THE VALUE OF MOBILITY INSTRUCTION AS A TECHNIQUE TO MOTIVATE BLIND INDIVIDUALS. Mecklenburg Co. Assn for the Blind, 704 Louise Ave., Charlotte, NC 28204; Ralph J. McCoig.

RD-1228-S (64-3).* ESTABLISHING MOBILITY TRAINING FOR BLIND CHILDREN AS A FUNCTION OF SPECIAL EDUCATION IN PUBLIC SCHOOLS. Metropolitan Society for the Blind, 1401 Ash St., Detroit, MI 48208; McAllister Upshaw.

RD-1325-S (64-3).* SYSTEMATIC TEACHING OF MOBILITY TO BLIND PEOPLE. Minneapolis Society for the Blind, 1936 Lyndale Ave. South, Minneapolis, MN 55403; Melvin E. Saterbak.

RD-1328-S (64-3).* THE ORIENTATION AND MOBILITY INSTRUCTION OF BLIND PEOPLE. Arkansas Enterprises for the Blind, Southwest Rehabilitation Center for the Blind, 2811 Fair Park Blvd., Little Rock, AR 72204; Roy Kumpe.

RD-1342-S (64-3).* MOBILITY AND ORIENTATION INSTRUCTION OF THE BLIND. South Dakota Service to the Blind and Visually Handicapped, State Capitol Bldg., Pierre, SD 57501; LeRoy C. Larsen.

RD-1343-S (65-3).* ORIENTATION AND MOBILITY SERVICE FOR LEGALLY BLIND PERSONS LIVING IN FIVE COUNTIES IN OHIO AND KENTUCKY. Cincinnati Assn. for the Blind, 1548 Central Parkway, Cincinnati, OH 45210; Benjamin P. Groves.

RD-1346-S (64-3).* MOBILITY AND ORIENTATION INSTRUCTION OF BLIND PERSONS. Assn. for the Blind of Rochester and Monroe County, Inc., 439 Monroe Ave., Rochester, NY 14607; James E. Ryder.

RD-1415-S (64-3).* ESTABLISHMENT OF A SYSTEMATIC PROGRAM OF MOBILITY INSTRUCTION FOR BLIND PERSONS IN THE DISTRICT OF COLUMBIA. Dept. of Vocational Rehabilitation, District of Columbia Government, 1331 H St. N.W., Washington, DC 20010; Stephen Gambaro.

RD-1445-S (66-3).* MOBILITY AND ORIENTATION INSTRUCTION OF BLIND PEOPLE IN WEST VIRGINIA. State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; William G. Winchell.

RD-1511-S (64-3).* MOBILITY AND ORIENTATION FOR THE BLIND. New Mexico Dept. of Public Welfare, Division of Services for the Blind, 408 Galisteo St., Santa Fe, NM 87501; H. J. Hebbeln.

RD-1538-S (65-3).* ORIENTATION AND MOBILITY INSTRUCTIONS FOR BLIND PERSONS. Evansville Assn for the Blind, 510 Second Ave., Evansville, IN 47710; John K. Flake.

RD-1539-S (65-3).* MOBILITY AND ORIENTATION INSTRUCTION FOR THE BLIND. Rhode Island Assn. for the Blind, 1058 Broad St., Providence, RI 02905; Mrs. Helen W. Worden.

RD-1541-S (65-3).* HARRIS COUNTY, TEXAS, MOBILITY AND ORIENTATION INSTRUCTION OF BLIND CHILDREN AND ADULTS. Houston-Harris Co. Lighthouse for the Blind, 3530 West Dallas, Houston, TX 77019; Robert W. Carrick.

RD-1616-S (65-3).* MOBILITY AND ORIENTATION INSTRUCTION OF BLIND PEOPLE. Division of Vocational Rehabilitation, State Dept. of Education, 129 State Office Bldg., Atlanta, GA 30334; A. P. Jarrell.

RD-1641-S (65-3).* ORIENTATION AND MOBILITY INSTRUCTIONS IN THE RESIDENTIAL SCHOOL AND IN THE STATE AGENCY. Tennessee Sch. for the Blind, 115 Stewarts Ferry Road, Nashville, TN 37214; Clay Coble.

RD-1690-S (65-3).* LEARNING MOBILITY IN BLIND CHILDREN AND THE GERIATRIC BLIND. Cleveland Society for the Blind, 1958 East 93rd St., Cleveland, OH 44106; Cleo B. Dolan.

RD-1691-S (65-3).* MOBILITY AND ORIENTATION OF BLIND PEOPLE. Blind Children's Service Center, 1519 Pruitt St., Fort Worth, TX 76104; Paul W. Antle.

RD-1692-S (65-3).* MOBILITY TRAINING FOR BLIND CLIENTS. Division of Services for the Blind, Michigan Dept. of Social Welfare, Lewis Cass Bldg., Lansing, MI 48913; Edward A. Fitting.

RD-1693-S (66-3). A STATE-WIDE COMMUNITY-ORIENTED MOBILITY AND ORIENTATION PROGRAM IN NEW HAMPSHIRE. New Hampshire Assn. for the Blind, 60 School St., Concord, NH 03302; Gale N. Stickler.

RD-1770-S (66-3).* ADJUSTMENT AND PREVOCATIONAL TRAINING PROGRAM FOR ADULT BLIND AND PARTIALLY SEEING. State Vocational Rehabilitation Agency, Box 8117, University Station, Grand Forks, ND 58202; Rodney Kossick.

RD-1771-S (66-3).* ORIENTATION AND MOBILITY INSTRUCTION AND SEQUENTIAL FIELD SERVICES FOR STUDENTS IN A RESIDENTIAL SCHOOL FOR THE BLIND. Illinois Braille and Sight Saving Sch., 658 East State St., Jacksonville, IL 62650; Jack R. Hartong.

RD-1843-S (66-3). ORIENTATION AND MOBILITY TRAINING. Division of Vocational Rehabilitation, Maryland State Dept. of Education, 2100 Guilford Ave., Baltimore, MD 21218; George W. Keller.

RD-2029-S (66-1).* PREPARATION OF BLIND STUDENTS FOR VOCATIONAL REHABILITATION THROUGH EARLY TRAINING IN MOBILITY AND ORIENTATION. Florida Council for the Blind, 108 West Pensacola, Tallahassee, FL 32301; George J. Emanuele.

RD-68 (56-2).* A STUDY OF FACTORS INFLUENCING INDIVIDUAL ADJUSTMENT TO CHRONIC DISEASE. George Washington Univ. Hospital, Washington, DC 20037; Paul Chodoff, M.D.

To develop effective methods of dealing with the *psychological and vocational adjustment* problems of individuals with *multiple sclerosis* or other chronic diseases.

RD-233 (58-4).* THE ILEOSTOMY PATIENT. QT, Inc. 227 Commonwealth Ave., Boston, MA 01916; Mrs. Edith Lenneberg.

To undertake an experimental *rehabilitation* program for *ileostomy* patients in three hospitals.

Film strip. *The Application of Postoperative and Permanent Ileostomy Appliances.*

RD-340 (58-4).* THE CONTRIBUTION OF THE TEAMWORK APPROACH TO THE REHABILITATION OF THE FACIALLY DISFIGURED. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; John M. Converse, M.D.

To study the *effectiveness* of various medical, psychiatric, social, and counseling *services* in the vocational rehabilitation of *facially disfigured* persons.

RD-462 (59-1).* PROBLEMS IN RECOVERY FROM DISABLING OCCUPATIONAL DISEASE (NON-TRAUMATIC). Massachusetts General Hospital, Boston, MA 02101; H. L. Hardy, M.D.

To study measures taken to hasten rehabilitation of *workers* suffering from *job-related illness* and to explore specific *deterrents* to such rehabilitation.

RD-647 (60-3).* SOCIAL AND VOCATIONAL ADAPTATION OF THE HEMOPHILIAC ADULT. Univ. of California, 405 Hilgard Ave., Los Angeles, CA 95124; Alfred H. Katz, Ph.D., and J. S. Felton, M.D.

To investigate medical, psychological, educational, and other *factors* which *affect the vocational rehabilitation* of the *adult hemophiliac.*

RD-661 (60-1).* RESEARCH AND TEACHING PROJECT ON COSMETIC PROSTHETIC RESTORATION. Duke Univ. Medical Center Sch. of Medicine, Medical Illustration Dept., Durham, NC 27706; Elon H. Clark.

To plan a research and training project on *cosmetic prosthetic* (plastic) rehabilitation for the *facially disfigured.* See also RD-733.

RD-695 (61-3).* PHYSIOPATHOLOGY OF DECUBITUS ULCERS: AN EXPERIMENTAL STUDY OF PHYSICAL AND BIOLOGICAL RESPONSES OF TISSUES SUBJECTED TO EXTERNAL PRESSURE. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 45022; Olgierd Lindan, M.D.

To study the *physiopathology of decubitus ulcers* in order to identify factors which contribute to their formation and healing.

RD-714 (61-3).* ENVIRONMENTAL FORCES IN THE EVERYDAY LIVES OF CHILDREN WITH PHYSICAL DISABILITIES. Univ. of Oregon, Eugene, OR 97403; Phil Schoggen, Ph.D.

To study systematically and compare social-psychological *environmental factors* of *peripheral motor impaired* and nondisabled adolescents in order to determine the influence of such factors in vocational rehabilitation.

RD-733 (61-3).* AN INVESTIGATION OF CURRENT TECHNIQUES IN COSMETIC PROSTHESES AND RESTORATION OF THE FACIALLY DISFIGURED. Duke Univ. Medical Center, Durham, NC 27706; Elon H. Clark.

To investigate current techniques in *cosmetic prostheses* restoration for the *facially disfigured* and to develop new or improved methods in this field. See also RD-661.

RD-737 (61-4).* TOTAL REHABILITATION OF ADULT ASTHMATIC PATIENTS. Natl. Jewish Hospital, 3800-4100 East Colfax Ave., Denver, CO 80220; Martin Nacman.

To study the *vocational potential* of chronic adult *asthmatic patients* and to determine the most effective techniques which can be used to give maximum vocational rehabilitation gains.

RD-815-G (62-1).* PRODUCTION OF FILM CASE HISTORY DEMONSTRATING VOCATIONAL REHABILITATION OF THE FACIALLY DISFIGURED PATIENT. Society for the Rehabilitation of the Facially Disfigured, 550 First Ave., New York, NY 10016; Robert E. Bochat.

To develop an *educational and informational film* to demonstrate the rehabilitation of the severely *facially disfigured.*

Film. *To Face Life Again.*

RD-1367-M (64-4).* HEMOPHILIA: A TOTAL APPROACH TO TREATMENT AND REHABILITATION. Los Angeles Orthopaedic Hospital, 2400 South Flower St., Los Angeles, CA 90007; Shelby L. Dietrich, M.D.

To demonstrate the *integrated* use of medical, social service, psychological, vocational, and educational guidance *services* in the treatment and rehabilitation of *hemophiliacs.*

RD-1499-M (64-1).* A PLANNING GRANT TO STUDY LOW BACK SYNDROMES RESULTING FROM INDUSTRIAL ACCIDENTS. Los Angeles Orthopaedic Medical Center, 2400 South Flower St., Los Angeles, CA 90007; Homer C. Pheasant, M.D.

A planning grant to develop the methodology in a *clinical* setting for exploration of the manner in which various *factors* affect the rehabilitation outcome of *"low back"* syndromes resulting from *industrial accidents.* See also RD-1817.

RD-1597-P (65-2).* STUDY OF THE PSYCHOSOCIAL ANTECEDENTS TO HEMORRHAGE IN HEMOPHILIC PATIENTS. Jefferson Medical College, 1025 Walnut St., Philadelphia, PA 19107; Floyd S. Cornelison, Jr., M.D.

To study *psychological antecedents* to *hemorrhage* in *hemophilic* patients and to modify through therapy emotional states related to hemophilic exacerbations.

RD-1711-M (65-3).* A SYSTEMATIC EVALUATION OF ARTHRITIS AND CONNECTIVE TISSUE DISORDERS. George Washington Univ., Washington, DC 20037; Thomas McP. Brown, M.D., and William R. Felts, M.D.

A study to identify *predictive factors* of *arthritic and connective tissue* disorders and *relationship of patient to environment*, and to find "patterns of involvement" for use in evaluating and improving management and rehabilitation. See also RD-1273.

RD-1746-M (65-3).* THE STUDY OF TRANSAMIDINASE ACTIVITY IN MYOTONIC DYSTROPHY. Johns Hopkins Univ. Sch. of Medicine, 700 North Wolfe St., Baltimore, MD 21205; John C. Harvey, M.D.

To measure arginine-glycine transamidinase enzyme in tissues of patients with *myotonic dystrophy* in order to detect basic chemical abnormality earlier and try to *prevent or modify the disease process*.

RD-1817-M (65-3).* IDENTIFICATION OF ORGANIC, PSYCHOLOGICAL, AND ECOLOGICAL CORRELATES OF DISABILITY ARISING FROM INDUSTRIAL BACK INJURY. Los Angeles Orthopedic Medical Center, 2400 South Flower St., Los Angeles, CA 90007; Homer C. Pheasant, M.D., and James M. Holt, Ph.D.

To identify the *relationships* between certain organic, psychological, and environmental *variables and the problems involved in rehabilitation* of persons with *work-related back injuries*. See also RD-1499.

RD-1827-M (65-3).* TO ESTABLISH A MODEL PROGRAM IN THE REHABILITATION OF MULTIPLE SCLEROSIS PATIENTS. Georgetown Univ. Medical Center, Washington, DC 20001; D. S. O'Doherty, M.D.

To establish both a model program in the rehabilitation of *multiple sclerosis* patients and *predictive factors* for the disease.

RD-1867-M (66-1).* A STUDY TO EVALUATE THE EFFECTIVENESS OF HYALURONIDASE IONTOPHORESIS IN TREATMENT OF ACUTE HEMARTHROSES AND MASSIVE SOFT TISSUE HEMATOMATA IN PATIENTS WITH HEMOPHILIA. Los Angeles Orthopedic Medical Center, 2400 South Flower St., Los Angeles, CA 90007; Shelby L. Dietrich, M.D., and Donna Boone, R.P.T.

To evaluate the effectiveness of *hyaluronidase iontophoresis* in the treatment of *acute hemorrhage* and massive soft tissue hematoma in *hemophiliac patients*.

RD-1869-M (66-2).* A STUDY OF MOTION IN THE LUMBOSACRAL SPINE. Yale Univ. Sch. of Medicine, New Haven, CT 06520; Robcliff V. Jones, Jr., M.D.

To study motion in the *lumbosacral spine* in order to provide diagnostic measures which will permit early treatment of *low back pain*.

RD-2001-P (66-1).* STUDENT AIDES FOR HANDICAPPED COLLEGE STUDENTS. St. Andrews Presbyterian College, Laurinburg, NC 28352; Ralph G. Hester, Ed.D.

To demonstrate the value of a *student aide* program in promoting the *adjustment* of handicapped students to college life. See also RD-2424.

RD-2094-G (66-1).* A CONFERENCE ON RESEARCH NEEDS IN REHABILITATION OF PERSONS WITH DISABILITIES RESULTING FROM CANCER. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To conduct a research *conference* on rehabilitation of persons with *cancer*.

RD-2143-M (66-5). A COMPREHENSIVE STUDY OF THE REHABILITATION PROCESS IN PATIENTS IN A CHRONIC DIALYSIS PROGRAM. Univ. of Alabama Medical Center, 1919 Seventh Ave. South, Birmingham, AL 35233; H. Walker Brown, M.D.

A project to (1) determine the potential for rehabilitation of patients with *severe renal* failure receiving treatment in a chronic dialysis program and (2) *evaluate* the various *factors affecting the rehabilitation* process.

RD-2189-M (67-1).* TO PLAN A COMPREHENSIVE REHABILITATION PROGRAM FOR CANCER PATIENTS. Univ. of Texas M.D. Anderson Hospital and Tumor Inst., 6723 Bertner Ave., Houston, TX 77025; Robert D. Moreton, M.D.

A pilot project to plan a *regional* comprehensive rehabilitation *program for cancer patients*. See also RD-2234.

RD-2224-M (67-4). OBESITY AS A DISABILITY. Georgetown Univ., 27th and O Sts. N.W., Washington, DC 20007; John J. Canary, M.D.

To investigate *vocational impairment* produced or contributed to by *obesity* and to develop methods for measuring improvement under therapy.

RD-2225-M (67-3). MAXILLO-FACIAL PROSTHETIC DEMONSTRATION AND RESEARCH PROGRAM. Univ. of Illinois at the Medical Center, P.O. Box 6998, Chicago, IL 60680; A. H. Goodwin.

To develop a *regional maxillofacial prosthetics center*.

XI. OTHER DISABLING CONDITIONS

RD-2226-MPO (67-3). EVALUATION OF PATHOMECHANICS OF ULNAR DEVIATION OF THE FINGERS. Univ. of Iowa, Iowa City, IA 52240; Carroll B. Larson, M.D.

To study the *biomechanical factors* responsible for the deformity of the *fingers* into ulnar drift.

RD-2231-M (67-3).* SURGICAL REHABILITATION OF THE CHRONIC ARTHRITIC PATIENT. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; B. Berthold Wolff, Ph.D.

To determine objective criteria and develop *standardized and reproducible methods for evaluating* functional rehabilitation in both operative and nonoperative *arthritis patients*.

RD-2235-M (67-3). STUDY IN LYMPHEDEMA IN THE CANCER PATIENT. Univ. of Texas M.D. Anderson Hospital and Tumor Inst., 6723 Bertner Ave., Houston, TX 77025; John E. Healey, Jr., M.D.

A project to collect statistical data on *incidence of lymphedema* and attempt to *establish* therapeutic *procedures* to reduce or eliminate the condition in postsurgical *cancer patients*.

RD-2311-M (67-3). REHABILITATION OF CANCER PATIENTS. Memorial Hospital for Cancer and Allied Diseases, 444 East 68th St., New York, NY 10021; Arthur I. Holleb, M.D.

A 3-year demonstration of the rehabilitation of patients with disabilities resulting from *cancer*.

RD-2316-P (67-3). IDENTIFICATION OF PSYCHOSOCIAL FACTORS OF LEPROSY PATIENTS. Louisiana State Univ., Baton Rouge, LA 70803; H. E. Chesteen, Ph.D.

A project to study the *psychosocial factors* associated with successful *adjustment* of discharged *leprosy* patients.

RD-2357-M (67-1).* FEASIBILITY STUDY OF THE ESTABLISHMENT OF A MAXILLOFACIAL PROSTHETIC TREATMENT CENTER. Univ. of Alabama, Sch. of Dentistry, 1919 Seventh Ave. South, Birmingham, AL 35233; D. J. Castleberry, D.M.D.

A pilot project to determine the feasibility of establishing a *regional maxillofacial prosthetics* unit within a rehabilitation center. See also RD-2622.

RD-2438-M (67-3). DISABILITY AND REHABILITATION IN PATIENTS WITH CHRONIC DISEASES. Louisiana State Univ., Baton Rouge, LA 70803; Silas E. O'Quinn, M.D.

To study the problems of disability and rehabilitation in patients with *chronic skin diseases*.

RD-2522-M (68-3). REGIONAL HEMOPHILIA REHABILITATION CENTER. Orthopaedic Hospital, 2400 South Flower St., Los Angeles, CA 90007; S. L. Dietrich, M.D.

To develop a *regional facility* devoted to the study and demonstration of rehabilitative techniques for *hemophiliac* patients.

RD-2627-G (68-1).* QUALITY OF SURVIVAL OF THE CANCER PATIENT. Hartford Hospital, Seymour St., Hartford, CT 06103; Paul G. Kuehn, M.D.

To hold a *conference* on the "Quality of Survival of the Cancer Patient.

RD-2629-M (68-3). MEDICAL AND PSYCHOLOGICAL REHABILITATION OF MAINTENANCE HEMODIALYSIS PATIENTS. The Research Foundation of the State Univ. of New York and The State Univ. of New York, P.O. Box 7126, Albany, NY 12224; Eli A. Friedman, M.D.

To study the medical and social *rehabilitation* of the patient receiving *maintenance hemodialysis* for chronic renal failure.

RD-2703-M (67-1).* STOMA REHABILITATION CLINIC. New England Deaconess Hospital, 185 Pilgrim Road, Boston, MA 02215; John L. Rowbotham, M.D.

To plan for the establishment of a *regional center* for the teaching guidance in self-care for patients with *stomata*. See also RD-2970.

RD-2777-M (68-1). VOCATIONAL AND LIFE ADJUSTMENT PROBLEMS OF YOUNG ADULTS WITH CYSTIC FIBROSIS. Natl. Cystic Fibrosis Research Foundation, 202 East 44th St., New York, NY 10017; Leroy W. Matthews, M.D.

A pilot study to determine the *vocational and life adjustment problems* faced by persons with *cystic fibrosis*.

RD-2931-M (68-5). STUDIES ASSOCIATED WITH REHABILITATION IN TRAUMA. Medical College of South Carolina, 80 Barre St., Charleston, SC 29401; M. S. Rittenbury, M.D.

To undertake a long-range *study* of *trauma*.

RD-2966-M (68-4). REHABILITATION IN CHRONIC RENAL DISEASE BY MEANS OF RENAL TRANSPLANTATION. Johns Hopkins Univ., Sch. of Medicine, Baltimore, MD 21205; W. Gordon Walker, M.D.

To demonstrate the feasibility of returning people with terminal *renal* disease to productive life by means of a *hemodialysis-transplantation* treatment and *rehabilitation* program.

XI. OTHER DISABLING CONDITIONS

MAXILLOFACIAL CENTERS - Demonstration grants which investigate all aspects of maxillofacial restoration. They usually serve patients in the adjacent geographic area, which may include several States.

RD-2155-M (66-3). ESTABLISHMENT OF A REGIONAL MAXILLOFACIAL REHABILITATION CENTER. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; John M. Converse, M.D.

To estalish a *regional maxilofacial rehabilitation center* and to research new methods and techniques for rehabilitating facially disfigured patients.

RD-2234-M (67-3). REGIONAL MAXILLOFACIAL RESTORATIVE CENTER. Univ. of Texas M.D. Anderson Hospital and Tumor Inst., 6723 Bertner Ave., Houston, TX 77025; Joe B. Drane, D.D.S.

To develop a *regional maxillofacial rehabilitation center*. See also RD-2189.

RD-2431-M (67-3). REGIONAL CENTER FOR MAXILLOFACIAL PROSTHETICS. Health Research, 666 Elm St., Buffalo, NY 14203; Norman G. Schaaf, D.D.S.

To establish a *regional center* for *maxillofacial* prosthetics.

RD-2527-M (68-4). TOTAL REHABILITATION OF THE HANDICAPPED ORAL-FACIAL CANCER PATIENT. Univ. of California, Sch. of Dentistry, San Francisco Medical Center, San Francisco, CA 91322; Dr. Sol Silverman, Jr.

To establish a *regional Oro-Facial Cancer* Rehabilitation Center.

RD-2622-M (68-5). REGIONAL MAXILLOFACIAL PROSTHETICS TREATMENT AND TRAINING CENTER. Univ. of Alabama Medical Center, Sch. of Dentistry, 1919 7th Ave. South, Birmingham, AL 35233; Dwight J. Castleberry, D.M.D.

To establish a *regional maxillofacial* prosthetics treatment and training *center*. See also RD-2357.

RD-2801-M (68-3). REGIONAL MAXILLOFACIAL PROSTHETIC REHABILITATION CENTER. Mayo Foundation, 200 First St. S.W., Rochester, MN 55901; William R. Laney, D.M.D.

To *establish a regional maxillofacial center*.

RD-2832-M (68-5). REHABILITATION OF PATIENTS WITH MAXILLOFACIAL CANCER PROSTHESIS. I. Gonzalez Martinez Oncologic Hospital, Box 1811, Hato Rey, PR 00919; Dr. O. Costa Mandry.

To establish the first *maxillofacial prosthetic center* in Puerto Rico for *oral cancer* patients.

RD-52 (56-5).* AN INVESTIGATION INTO THE VOCATIONAL POTENTIALS OF HOSPITALIZED PATIENTS WITH CHRONIC DISABILITIES. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 44022; M. Peszczynski, M.D.

To demonstrate that rehabilitation is possible for *long-term* hospital patients disabled by *severe chronic diseases*, utilizing a testing and training program of *work activities within the hospital*.

RD-57 (56-3).* A STUDY OF PRE-EMPLOYMENT TECHNIQUES AND WORK HARDENING TECHNIQUES APPLIED TO PATIENTS WITH NON-STATIC DISABILITY OF CHRONIC RHEUMATIC DISEASE. Robert Breck Brigham Hospital, Parker Hill Ave., Boston, MA 02120; J. C. Goldthwait, M.D.

To develop *pre-employment evaluation* techniques and *work-hardening* techniques for the use of *rheumatoid arthritic* patients as a basis for their return to remunerative employment.

RD-60 (56-3).* THE POTENTIAL OF VOCATIONAL REHABILITATION SERVICES IN A COMMUNITY HOME CARE PROGRAM. Mount Zion Hospital, 1600 Divisadero St., San Francisco, CA 94115; Mark Berke.

To determine the need and demonstrate the role of vocational rehabilitation as part of a *community program* for the *chronically ill*.

RD-67 (56-5).* JOBS FOR THE HOMEBOUND. Montefiore Hospital, 210th and Bainbridge Ave., New York, NY 10067; I. J. Rossman, M.D., and Margaret Clarke.

To demonstrate the economic and psychological benefits of vocational rehabilitation for permanently *shut-in chronically ill* persons whose disabilities limit them to part-time *homework*.

RD-70 (56-4).* THE REHABILITATION EDUCATION SERVICE. Illinois Public Aid Commission, 160 North LaSalle St., Chicago, IL 60603; Mrs. Elizabeth Breckinridge.

To determine and demonstrate the *extent* to which *disabled* persons confined to public and private *nursing homes* can be *returned* to employment or to *community life*.

RD-88 (56-4).* REHABILITATION - ON THE JOB AGAIN. Our Lady of Fatima Hospital, 200 High Service Ave., North Providence, RI 02904; Robert E. Carroll, M.D.

To determine and demonstrate the *services* needed for the most effective vocational *rehabilitation of chronically ill* and disabled workers 45 years of age and older, particularly those who have applied for *OASI* disability benefits.

RD-146 (57-4).* EVALUATION, REHABILITATION, AND UTILIZATION OF OLDER PEOPLE IN THE COUNTY MEDICAL FACILITIES IN MICHIGAN. Univ. of Michigan, Ann Arbor, MI 48103; Wilma Donahue, Ph.D.

To determine the nature and extent of medical and other vocational rehabilitation *services* needed by *disabled* persons 45 years of age and older living in *county medical and convalescent facilities*, and to demonstrate *techniques* for their *rehabilitation*.

RD-177 (58-4).* THE VOCATIONAL REHABILITATION OF OLDER HANDICAPPED WORKERS. Federation Guidance and Employment Services, 215 Park Ave. South, New York, NY 10003; Roland Baxt.

To demonstrate, through specialized *counseling and work adjustment training*, the feasibility of vocational rehabilitation for *disabled workers 60 years of age and over*.

RD-185 (58-2).* AN APPRAISAL OF CRITICAL DIFFERENCES BETWEEN VOCATIONALLY WELL-ADJUSTED, REHABILITATED, AND NON-REHABILITABLE OLDER MEN. Senior Citizens, Inc., 120 Twenty-first Ave., Nashville, TN 37203; Robert S. Soar, Ph.D.

To develop a set of rapid and efficient *screening procedures* for use in selecting most *rehabilitable* males from *applicants for OASI disability benefits*.

RD-287 (58-5).* DEVELOPING EVALUATION PROCEDURES FOR LONG-TERM PATIENTS TO DETERMINE NEED FOR CONTINUING HOSPITAL SERVICES. Hospital Research and Educational Trust, 840 North Lake Shore Drive, Chicago, IL 60611; Howard A. Rusk, M.D.

To develop a simplified method for determining the *rehabilitation potential of long-term hospital patients* and the feasibility of meeting their medical and rehabilitation needs by *transfer* to domiciliary care of the *Homestead type*.

RD-359 (59-3).* VOCATIONAL REHABILITATION IN A SUBURBAN COMMUNITY HOSPITAL. Long Island Jewish Hospital, 270-05 76th Ave., New Hyde Park, Long Island, NY 11043; Joseph G. Benton, M.D.

To demonstrate the effectiveness of comprehensive *rehabilitation services* in a suburban *community hospital* with specific application to *rheumatic and arthritic* patients.

RD-387 (59-3).* COMMUNITY ORGANIZATION FOR REHABILITATION. Greensboro Community Council, 1301 North Elm St., Greensboro, NC 27401; Mrs. Annette Coltrane.

To develop and demonstrate a comprehensive program of *coordinated community services* in the vocational rehabilitation of the *chronically ill*.

RD-389 (59-3).* CORONA REHABILITATION PROJECT. Medical and Health Research Organization of New York City, 125 Worth St., New York, NY 10013; Ann P. Kent, M.D.

To assess the rehabilitation needs of *chronically ill* persons with musculoskeletal or neuromuscular disabilities residing in the *Corona Health District* and to demonstrate the feasibility and value of *coordinating rehabilitation services* to meet their needs.

RD-447 (60-4).* DEMONSTRATION OF REHABILITATION POTENTIAL OF PATIENTS ON HOME CARE OR IN NURSING HOMES, 1959 to 1963. Thayer Hospital, North St., Waterville, ME 04901; H. N. Willard, M.D.

To demonstrate how the resources of a *community hospital* can be organized to provide rehabilitation *services* in a *rural* area to disabled persons who are *homebound* or who reside in *nursing homes*.

RD-452 (60-2).* SPECIAL REHABILITATION SERVICES FOR THE SERIOUSLY HANDICAPPED. Goodwill Industries of Denver, 3003 Arapahoe St., Denver, CO 80205; Chester C. Hadden.

To develop a program of *evaluation*, vocational and social *adjustment, work-hardening and placement* services for persons severely disabled by *chronic disease* or neurological disorders.

RD-455 (59-4).* CONTINUITY IN CARE FOR IMPAIRED OLDER PERSONS: PUBLIC HEALTH NURSING IN A GERIATRIC REHABILITATION MAINTENANCE PROGRAM. Community Service Society of New York, 105 East 22nd St., New York, NY 10010; Aline F. LeMat.

To develop and evaluate a program of *comprehensive care* for *older disabled* individuals who have received rehabilitation services and have *returned* to the *community*.

RD-493 (60-4).* EMPLOYMENT OF THE PHYSICALLY HANDICAPPED IN A COMPETITIVE INDUSTRIAL ENVIRONMENT. Abilities Inc. of Florida, Box 1398, Clearwater, FL 33516; George Locascio.

To demonstrate the *employability* of severely disabled and *older disabled workers* in a competitive *industrial* environment.

RD-528 (60-1).* IDENTIFICATION OF THE VOCATIONAL POTENTIAL OF SEVERELY HANDICAPPED PERSONS THROUGH PROVISION OF INDEPENDENT LIVING SERVICES. Division of Vocational Rehabilitation, 415 Bankers Trust Bldg., Des Moines, IA 50309; Merrill E. Hunt.

To develop a research design and plan for a long-range program to assess the *vocational potential* of severely *handicapped* persons *provided independent living services*. See also RD-863.

RD-569 (61-3).* DENIED - A STUDY AND THE DEVELOPMENT OF A VOCATIONAL REHABILITATION PROGRAM FOR DENIED OASI DISABILITY APPLICANTS. State Division of Vocational Rehabilitation, State Capitol Bldg., Charleston, WV 25305; Charles Maine.

To study *OASI referrals* not eligible for benefits, whose handicaps preclude employment, in order to develop *statewide* rehabilitation *resources* to better meet their individual needs.

RD-577 (60-2).* REHABILITATION FOR THE UNWANTED: A STUDY OF PATIENTS AND THEIR SETTING IN A REHABILITATION UNIT IN A PUBLIC CHRONIC DISEASE HOSPITAL AND CUSTODIAL HOME. Commerical ed. *Rehabilitation for the Unwanted*. Columbia Univ., New York Sch. of Social Work, 2 East 91st St., New York, NY 10028; Julius A. Roth, Ph.D.

To identify and study the range of *reaction patterns* and their therapeutic implications for *adjustment* of rehabilitation *patients* to relative *long-term hospitalization*.

RD-598 (61-3).* SOCIAL-PSYCHOLOGICAL FACTORS RELATED TO INDIVIDUAL PATIENT NEEDS. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 44122; M. W. Stroud III, M.D.

To evaluate the effect of selected social and psychological *factors* on the *ability* of the *chronically ill* individual to *maintain gains* after discharge from a hospital.

RD-607 (61-2).* ATTITUDES AND BEHAVIOR OF MEDICAL PERSONNEL TOWARD PEOPLE WITH CHRONIC DISABILITY. Western Reserve Univ. Sch. of Medicine, 2045 Adelbert Road, Cleveland, OH 44106; Amasa B. Ford, M.D.

To study and identify the *attitudes* of physicians and other professional *health personnel* toward the *chronically disabled* and to relate these to patient behavior and occupational choice. See also RD-1060.

RD-626 (61-3).* OCCUPATIONAL THERAPY ASSISTANTS IN GERIATRICS AND LONG-TERM ILLNESS. Montgomery Co. Health Dept., County Bldg., Rockville, MD 20850; William J. Peeples, M.D.

To develop techniques for *training* a special category of *occupational therapy assistants* for service in *nursing homes* in order to increase rehabilitation services to older *chronically ill* persons.

RD-651 (60-1).* DISABILITY INSURANCE AND VOCATIONAL REHABILITATION. Univ. of Michigan, Ann Arbor, MI 48103; Nathan Sinai, Ph.D.

To plan an investigation of disability and vocational *status of persons* who have *exhausted* benefits under a State *disability insurance program*.

RD-664 (61-3).* REHABILITATION OF THE CHRONICALLY ILL IN A GENERAL HOSPITAL AND IN NURSING HOMES. State Division of Vocational Rehabilita-

tion, P.O. Box 2360, Honolulu, HI 96804; Rosemary Hayes.

To develop methods and procedures for *preventing or reducing* long-term physical *dependency* among *chronically and severely disabled* persons in *hospitals and nursing homes*.

RD-720 (61-2).* Final report in 3 vols. 1. REHABILITATION PLANNING PROJECT: COMMUNITY PLANNING REPORT. 2. PHYSICIAN REPORTING: MORBIDITY SURVEY REPORT. 3. INTERORGANIZATIONAL STUDY: AN ANALYSIS OF INTERACTION PATTERNS AMONG COMMUNITY AGENCIES. Chronic Illness Project, 2 Southeast 13th St., Miami, FL 33131; Gordon H. Hatcher, M.D.

To identify existing and needed *rehabilitation resources* in a large *urban* area and initiate a long-term *community action* plan for improving or developing such resources.

RD-732 (61-3).* ASSESSMENT OF THE EFFECTIVENESS OF A HOSPITAL INDUSTRIES PROGRAM IN THE VOCATIONAL REHABILITATION OF DISABLED ARTHRITICS. Our Lady of Fatima Hospital, 200 High Service Ave., North Providence, RI 02904; R. E. Carroll, M.D.

To assess the effectiveness of a *hospital industries program* on the vocational rehabilitation of patients severely disabled by *arthritis*.

RD-752-P (61-3).* EMOTIONAL CORRELATES OF AGING AS RELATED TO PHYSICAL IMMOBILITY. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 44122; M. Peszczynski, M.D.

To investigate the relationship of the *emotional makeup and the physical handicaps of older* persons (40-80), especially in reference to *physical immobility* as a basis for formulating rehabilitation service.

RD-772-P (62-3).* PSYCHO-SOCIAL CONSIDERATION IN DOMICILIARY REHABILITATION OF THE CHRONICALLY ILL. Tufts Univ., Medford, MA 02155; C. D. Gibson, Jr., M.D.

A research study of *chronically disabled homebound* persons with rehabilitation potential in order to *identify* social, psychological, and medical *factors* which influence *rehabilitation success or failure*.

RD-858-G (62-3).* ACTIVATING COMMUNITY RESOURCES FOR THERAPEUTIC RECREATION SERVICES. Comeback, Inc., 16 West 46th St., New York, NY 10036; E. M. Avedon, Ed.D.

To develop and evaluate organized methods and new techniques utilizing existing *community resources* in meeting the *recreational needs* of the *severely handicapped* or institutionalized disabled.

RD-877-G (62-3).* THE DEVELOPMENT AND ADMINISTRATION OF AN INDEPENDENT LIVING REHABILITATION PROGRAM. New Jersey Rehabilitation Commission, Labor and Industry Bldg., John Fitch Plaza, Trenton, NJ 08625; Perry A. Sawyer.

To explore current *administrative relationships* among public and private *agencies* serving the *severely disabled*, and to demonstrate a *coordinated approach* which will further reduce dependency and enhance independent living generally for these persons.

RD-903-P (62-5).* Final report in 3 vols. 1. REHABILITATING THE OLDER DISABLED WORKER. 2. THE VOCATIONAL ADJUSTMENT OF THE OLDER DISABLED WORKER: A SELECTIVE REVIEW OF THE RECENT LITERATURE. 3. THE VOCATIONAL REHABILITATION OF NEIGHBORHOOD-BOUND OLDER DISABLED PERSONS: A PROGRAM GUIDE. Federation Guidance and Employment Service, 215 Park Ave. South, New York, NY 10003; Roland Baxt.

To demonstrate structure and techniques through which a *community* can operate a vocational rehabilitation *program* for *older disabled persons*; to evaluate changes in older persons occurring as a result of such a program.

RD-1060-P (63-3).* THE DOCTOR's PERSPECTIVE: PHYSICIANS VIEW THEIR PATIENTS AND PRACTICE. Western Reserve Univ., Sch. of Medicine, 2109 Adelbert Road, Cleveland, OH 44106; Amasa B. Ford, M.D.

To define the *situational and behavioral factors* which enter into the *physician's concept* of his *role* in caring for patients with chronic disability; to *develop an instrument for measuring aspects* of this role concept and *predicting* from them effectiveness of *doctor-patient behavoior*. See also RD-607.

RD-1273-M (64-1).* A STUDY FOR THE SYSTEMATIC EVALUATION OF VARIOUS FORMS OF ARTHRITIS. George Washington Univ., Washington, DC 20006; Thomas McP. Brown, M.D., and William R. Felts, M.D.

To develop a study for the *systematic evaluation* of various forms of *arthritis* which will produce useful information in the rehabilitation of persons disabled by this disease. See also RD-1711.

RD-1529-G (64-1).* TO DEMONSTRATE THE CLINICAL TEAM APPROACH IN THE REHABILITATION OF OASI REFERRALS. Division of Vocational Rehabilitation, 623 East Adams St., Springfield, IL 62706; Vincil Swearingen.

To plan a project to demonstrate the *clinical team approach* in the rehabilitation of *OASI* referrals. See also RD-1950.

RD-1559-G (65-3).* A PROJECT TO DEMONSTRATE THE ROLE OF A STATE VOCATIONAL REHABILITATION

AGENCY IN SERVING THE DISABLED AGED. State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; William G. Winchell.

To demonstrate the value of vocational rehabilitation *services* for the *aged* in an *economically distressed area*.

RD-1950-G (66-3). CLINIC TEAM APPROACH IN REHABILITATING OASI REFERRALS. Division of Vocational Rehabilitation, 623 East Adams St., Springfield, IL 62706; Vincil E. Swearingen.

To demonstrate the effectiveness of the *clinic team approach* in rehabilitating *OASI* referrals. See also RD-1529.

Spec. rept. *OASI Clinic Teams Project Procedure Manual*.

RD-1983-G (66-3).* PROMOTION OF VOCATIONAL REHABILITATION IN COMMUNITY HOSPITALS. Arthritis Foundation, New York Chapter, 432 Park Ave. South, New York, NY 10016; Allan M. Wolfe, M.D.

To produce a documentary *film* on experiences of a vocational rehabilitation unit within a *community hospital* for the purpose of *promoting better services* for handicapped *arthritic* patients.

Spec. rept. *Vocational Rehabilitation in a Community Hospital: a Guide to Organization and Operation*.

Film. *Vocational Rehabilitation in a Community Hospital*.

RD-2206-G (67-3). A COMMUNITY-BASED SOCIO-MEDICAL PROGRAM FOR THE REHABILITATION OF THE DISABLED. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Dr. Daniel Rosenblatt.

To establish and evaluate a *community-based organization* of disabled persons, built on the *self-help principle*, utilizing a community-based rehabilitation team working to *overcome* the devastating personal and familial consequences of *heart disease, stroke, and cancer*.

RD-2217-G (67-4). MOBILIZATION OF A GENERAL HOSPITAL AND A STATE VOCATIONAL REHABILITATION AGENCY ON BEHALF OF VICTIMS OF CATASTROPHIC ILLNESS. New Jersey Rehabilitation Commission, Labor and Industry Bldg., John Fitch Plaza, Trenton, NJ 08625; Javis M. Smith, M.D.

To demonstrate how the *resources* of a general hospital and a vocational rehabilitation agency can be *mobilized* for the *early detection* of *heart, stroke, and cancer* patients with rehabilitation potential.

RD-2292-G (66-5). THE NATURAL HISTORY OF DISABILITY. Ohio State Univ., Columbus, OH 43210; Saad Z. Nagi, Ph.D.

To conduct programmatic research on the *process, phases, and factors influencing* the course of *disability*.

RD-2605-G (68-3). ALLIED HEALTH PROFESSIONS IN THE RHEUMATIC DISEASES. Arthritis Foundation, 1212 Avenue of the Americas, New York, NY 10036; William S. Clark, M.D.

To plan and initiate a comprehensive program, develop specific projects relating to the *role and standards* of the Paramedical Section, and sponsor activities related to *exchange and dissemination of information* concerning *rheumatic diseases*.

RD-2880-G (69-3). INTENSIVE GOAL-DIRECTED COUNSELING AND PLACEMENT. North Carolina Division of Vocational Rehabilitation, Dept. of Public Instruction, Raleigh, NC 27602; C. Page Truitt.

One of a series of three collaborative demonstration projects using intensive short-term *directive counseling* of a supportive nature in the *placement of SSA* disability insurance applicants. See also RD-2881; RD-2882.

RD-2881-G (69-3). SHORT TIME VOCATIONAL REHABILITATION OF SSA DISABILITY INSURANCE APPLICANTS. Virginia Dept. of Vocational Rehabilitation, 4615 West Broad St., Richmond, VA 23230; Gordon L. Ownby.

One of a series of three collaborative demonstration projects using intensive short-term *directive counseling* of a supportive nature in the *placement of SSA* disability insurance applicants. See also RD-2880; RD-2882.

RD-2882-G (69-4). SHORT-TERM VOCATIONAL REHABILITATION OF SSA DISABILITY INSURANCE APPLICANTS. Bureau of Rehabilitation Services, State Office Bldg., Frankfort, KY 40601; Donald Beckhart.

The parent project of a three-project collaborative demonstration of intensive short-term *directive counseling* of a supportive nature in the *placement of SSA* disability insurance applicants. See also RD-2880; RD-2881.

RD-2948-G (69-1). PROJECT RETAIN - REEMPLOYMENT OF THE AGED IN INDUSTRY. Jewish Occupational Council, 150 Fifth Ave., New York, NY 10011; Bernard Stern.

The planning of a national series of collaborative projects to provide vocational service for *older disabled persons* and create a research structure which would evaluate the projects so involved.

RD-2967-G (69-3). MATCHING JOB AND WORKER CHARACTERISTICS: AN ECONOMICALLY SOUND EMPLOYMENT PROGRAM FOR THE AGED. Human Resources Center, Albertson, NY 11507; Henry Viscardi, Jr., LL.D.

A program of *part-time employment* for *older*

disabled workers whose services would be contracted out to other employers needing a temporary supplement to their employee force.

RC-4-G (61-4). BASIC RESEARCH SPECIFICATIONS FOR COMPREHENSIVE MEDICAL AND VOCATIONAL EVALUATION OF OASI APPLICANTS FOR DISABILITY BENEFITS. Ohio State Univ. College of Medicine, Ohio Rehabilitation Center, 472 West 8th Ave., Columbus, OH 44110; K. W. Hamilton.
A pilot study for *comprehensive* medical and vocational *evaluation* of *OASI applicants* for disability benefits.

RC-5-G (61-4).* THE PROJECT 21 REPORT: COMPREHENSIVE LIVE-TEAM DISABILITY AND REHABILITATION EVALUATION OF APPLICANTS FOR SOCIAL SECURITY DISABILITY INSURANCE BENEFITS. Sister Elizabeth Kenny Foundation, 1800 Chicago Ave. South, Minneapolis, MN 55404; Mrs. Carol J. Tammen.
A research project for *comprehensive* medical and vocational *evaluation of OASI applicants* for disability benefits.

RC-6 G (61-4).* OASI DISABILITY EVALUATION STUDY: TULANE UNIT. Tulane Univ., Sch. of Medicine, 6823 St. Charles Ave., New Orleans, LA 70112; Jack Wickstrom, M. D.
A research project for *comprehensive* medical and vocational *evaluation of OASI applicants* for disability benefits.

The following projects demonstrated the value and effectiveness of specialized, comprehensive rehabilitation services provided severely disabled OASI disability benefit cases who had not previously been considered feasible for vocational rehabilitation, through the coordination and utilization of existing public and private rehabilitation resources. A comprehensive final report of these 11 projects was prepared under Project RD-966-G.

RD-791-G (61-4).* A PROGRAM FOR SERVING A SELECTED GROUP OF THE SEVERELY DISABLED THROUGH A STATE-OPERATED REHABILITATION CENTER AND A GENERAL HOSPITAL. State Division of Vocational Rehabilitation, State Capitol Bldg., Charleston, WV 25305; Earl W. Wolfe.

RD-859-G (61-4).* A COMPREHENSIVE REHABILITATION UNIT FOR SEVERELY DISABLED INDIVIDUALS RECEIVING DISABILITY INSURANCE BENEFITS. Texas Inst. for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 78425; William Spencer, M. D.

RD-863-G (62-4).* THE FIRST STEP: THE VOCATIONAL REHABILITATION POTENTIAL OF SEVERELY DISABLED OASDI BENEFIT RECIPIENTS. Division of Vocational Rehabilitation, State Capitol Bldg., Des Moines, IA 50319; Mario G. Barillas. See also RD-528.

RD-865-G (61-4).* THE SEVERELY DISABLED IN PENNSYLVANIA: AN INVESTIGATION AND PROGRAM OF INTENSIFIED SERVICE FOR OASI DISABILITY INSURANCE RECIPIENTS. Bureau of Vocational Rehabilitation, Labor and Industry Bldg., Harrisburg, PA 17121; Charles L. Eby.

RD-866-G (61-4).* REHABILITATION SERVICES FOR THE MORE SEVERELY DISABLED. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Mrs. Dorothy Singer.

RD-867-G (61-4).* COMPREHENSIVE EVALUATION AND INTENSIVE SERVICES FOR OASI DISABILITY RECIPIENTS. Rehabilitation Inst., 261 Brady, Detroit, MI 48201; Sheldon Westerman.

RD-964-G (62-4).* A DOOR IS OPEN: REHABILITATION SERVICES FOR OASI DISABILITY RECIPIENTS. Arkansas Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; Olen R. Churchill.

RD-965-G (62-4).* PROGRAM FOR SERVING THE MORE SEVERELY DISABLED INDIVIDUALS IN NEBRASKA. Division of Rehabilitation Service, State Dept. of Education, Room 1518, State Capitol Bldg., Lincoln, NB 68509; Fred A. Novak.

RD-966-G (62-4).* PROGRAM FOR COMPREHENSIVE AND INTENSIVE REHABILITATION SERVICES FOR THE SEVERELY DISABLED IN UTAH. Univ. of Utah, College of Medicine, Salt Lake City, UT 84105; H. L. Marshall, M. D.
Comprehensive final rept. *The Severely Disabled Person is Rehabilitated: A Study of the Rehabilitation Potential of Severely Disabled Persons in the United States.*

RD-967-G (62-4).* REHABILITATION SERVICE FOR SEVERELY DISABLED OASDI RECIPIENTS. State Dept. of Education, Vocational Rehabilitation Service, Sacramento, CA 95814; S. M. Merrill.

RD-969-G (62-4).* DISCARDS ON TRIAL. 2 vols.
1. A STUDY IN HUMAN DIGNITY AND DISTRESS.
2. DILEMMA: RISK OR REFUGE. Rehabilitation Inst. of Chicago, 401 East Ohio St., Chicago, IL 60611; William Kir-Stimon, Ph.D.

SELECTED DEMONSTRATIONS
Rehabilitation of the Chronically Ill

RD-259 (58-3).* VOCATIONAL POTENTIALS OF HOSPITALIZED PATIENTS WITH CHRONIC DISABILITIES. Gaylord Hospital and Sanitorium, Wallingford, CT 06492; George W. Parkes.

RD-354 (59-3).* REHABILITATION EDUCATION SERVICE: HELPING PEOPLE TO HELP THEMSELVES. Dept. of Health, State of Washington, 1327 Smith Tower, Seattle, WA 98104; Mrs. Vera H. McCord.

SELECTED DEMONSTRATIONS
Work Evaluation, Training, and Placement for Older Disabled Workers

RD-478 (60-4).* WORK EVALUATION, TRAINING, AND PLACEMENT PROJECT FOR OLDER DISABLED WORKERS. Jewish Vocational Service, 1606 Main St., Kansas City, MO 64108; Bertram Brant.

RD-514 (60-4).* EVALUATION, TRAINING, AND PLACEMENT OF OLDER DISABLED WORKERS FORTY-FIVE YEARS OF AGE AND OVER. St. Paul Rehabilitation Center, 313 Eagle St., St. Paul MN 55102; Arne J. Berg.

RD-620 (61-3).* VOCATIONAL REHABILITATION OF HANDICAPPED PERSONS OVER 60 YEARS OF AGE. Kiwanis Opportunity Workshop, 407 East Michigan St., Milwaukee, WI 53202; Gerald Rose.

RD-668 (61-4).* WORK ADJUSTMENT AND EVALUATION CENTER FOR OLDER DISABLED WORKERS. Mankato Rehabilitation Center, 814 Minneopa Road, Mankato, MN 56001; Frank P. Mulhern.

RD-676 (61-4).* VOCATIONAL REHABILITATION OF OLDER DISABLED PERSONS 50 YEARS OF AGE AND OVER. Jewish Vocational Service, 10 N.E. Third Ave., Miami, FL 33132; Michael Goodman, Ed.D.

RD-750-G (61-3).* DEMONSTRATION OF THE FEASIBILITY OF VOCATIONAL REHABILITATION FOR DISABLED VOCATIONALLY HANDICAPPED PERSONS 45 YEARS AND OVER. Jewish Employment and Vocational Service, 705 Olive St., St. Louis, MO 63101; Samuel Bernstein.

RD-785-G (61-3).* SHELTERED WORKSHOP, ST. CROIX, VIRGIN ISLANDS. Division of Vocational Rehabilitation, St. Thomas, VI; Earl B. Finch.

RD-874-G (62-3).* A WORK ADJUSTMENT CENTER FOR OLDER DISABLED WORKERS. Jewish Employment and Vocational Service, 1213 Walnut St., Philadelphia, PA 19107; Saul S. Leshner, Ph.D.

RD-976-G (62-3).* A METHOD FOR EVALUATING AND ADJUSTING THE EMOTIONALLY HANDICAPPED CLIENT AND OLDER DISABLED WORKER FOR COMPETITIVE EMPLOYMENT. Alabama Sch. of Trades, Gadsden, AL 35901; E. L. Darden.

RD-979-G (62-3).* A DEMONSTRATION PROJECT OF THE FEASIBILITY OF VOCATIONAL REHABILITATION FOR VOCATIONALLY HANDICAPPED PERSONS 45 YEARS OF AGE AND OVER. Dallas Rehabilitation Inst., Caruth Memorial Rehabilitation Center, 7850 Brookhollow Road, Dallas, TX 75235; M. L. McDonald.

RD-1747-G (66-3).* WORK ADJUSTMENT CENTER FOR OLDER DISABLED WORKERS. Jewish Employment and Vocational Service, One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.

SELECTED DEMONSTRATIONS
Work Evaluation of Older Disabled Persons (over 50)

RD-353 (59-2).* A DIAGNOSTIC, EVALUATION AND REHABILITATION CLINIC FOR THE OLDER CHRONICALLY ILL AND DISABLED - AGES 45 TO 65. Hadley Memorial Hospital, 201 East Seventh St., Hays, KS 67601; H. A. Flanders, M.D.

RD-356 (59-2).* DIAGNOSTIC EVALUATION AND REHABILITATION CLINIC FOR THE OLDER CHRONICALLY ILL AND DISABLED PERSONS. Univ. of North Dakota, Medical Center Rehabilitation Unit, Grand Forks, ND 58202; Frances D. Landon.

RD-17 (55-3).* THE VERMONT STORY: A PILOT STUDY ON INDUSTRIAL HOMEWORK IN A RURAL STATE. Natl. Industries for the Blind, 15 West 16th St., New York, NY 10011; M. R. Townsend.

To determine that a program of *industrial homework* can be established in a *rural* State to provide work for *blind or other* handicapped *shut-ins*.

RD-43 (56-4).* DEMONSTRATION OF MERCHANDISING AND MARKETING HOME INDUSTRIES PRODUCTS. Alabama Society for Crippled Children and Adults, 472 South Lawrence St., Montgomery, AL 36104; W. H. Harrison.

To demonstrate that development of an *organized marketing program* can increase employment opportunities for the homebound disabled.

RD-82 (56-3).* THE REHABILITATION OF POTENTIALLY EMPLOYABLE HOMEBOUND ADULTS. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; E. Kristeller, M.D.

To determine the extent to which a rehabilitation team can return *homebound disabled* persons to *employment outside* the home.

RD-187 (57-2).* THE RELATIONSHIP OF ATTITUDES AND THEIR CONGRUENCE TO HOME AND WORK ADJUSTMENT OF THE DISABLED. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To evaluate the effect of patients and family *attitudes* on successful *home placement*, and on home and vocational *adjustment* of disabled individuals (present and former patients at Respirator Center).

RD-331 (58-1).* HOME JOBS FOR THE HOMEBOUND. Duval Co. Society for Crippled Children, Memorial Unit, Duval Medical Center, 2000 Jefferson St., Jacksonville, FL 32206; Herbert W. Craig.

To demonstrate the effectiveness of a *community*-sponsored *industrial homework* program for the vocational rehabilitation of severely disabled homebound individuals.

RD-375 (59-5).* A COMPREHENSIVE PRE-VOCATIONAL PROGRAM FOR PHYSICALLY AND EMOTIONALLY HANDICAPPED HOMEBOUND HIGH SCHOOL STUDENTS. Federation of the Handicapped, 211 West 14th St., New York, NY 10011; Milton Cohen.

To demonstrate the effectiveness of *pre-vocational* services in enhancing the readiness of handicapped *homebound youth* for vocational training and employment.

RD-393 (59-3).* PHYSICAL THERAPY TO HOMEBOUND. Visiting Nurse Assn. of Louisville, 424 West Jefferson St., Louisville, KY 40202; Mrs. Louise Grizzard.

To investigate and demonstrate the rehabilitation value of providing *physical therapy* services to the *homebound* disabled.

RD-513 (60-2).* MEETING SOME SOCIAL-PSYCHOLOGICAL NEEDS OF HOMEBOUND PERSONS THROUGH RECREATIVE EXPERIENCE. Natl. Recreation Assn., 8 West 8th St., New York, NY 10011; M. Thompson, Ed.D.

To study methods of providing *recreative experiences* to the physically disabled *homebound* in order to meet social-psychological needs and thereby preserve and promote vocational potential.

Spec. rept. *A Program of Recreation for the Homebound Adult: A Manual.*

RD-519 (60-4).* WORKING COMPETITIVELY AT HOME. Detroit League for the Handicapped, 1401 Ash St., Detroit, MI 48208; Ruth Jennings.

To determine the effectiveness of *intensive* vocational *services* in an *urban* competitive *industrial homework* program for disabled *homebound* individuals.

RD-1806-G (65-2).* PROJECT EARNING POWER: HISTORY AND FINAL REPORT. Natl. Society for Crippled Children and Adults, 2023 West Ogden Ave., Chicago, IL 60612; Arthur H. Rissman.

To demonstrate the use of *volunteers* in working with *severely disabled and homebound* persons to assist them to produce competitively salable products, to promote *upgrading* and design of such *products*, and to encourage exhibits and sales of quality products. See also RD-2423.

Spec. rept. *Design Manual.*
Film. *The Fire Within.*

RD-2423-G (67-3). PROJECT EARNING POWER - PRODUCTS BY THE HANDICAPPED. Project Earning Power, 1826 Jefferson Place N.W., Washington, DC 20036; Thorburn Reid III.

To demonstrate how sheltered workshops, industrial designers, and industrial design schools can cooperatively *upgrade the work in sheltered workshops*. See also RD-1806.

RD-2507-G (68-5). PROGRAMMATIC RESEARCH ON THE REHABILITATION OF THE HOMEBOUND. Federation of the Handicapped, 211 West 14th St., New York, NY 10011; Milton Cohen.

To conduct *programmatic research* on the rehabilitation of the *homebound*.

RD-2943-G (69-3). APPLICATION OF MODERN BUSINESS PROCEDURES AND EQUIPMENT IN THE EMPLOYMENT OF THE SEVERELY DISABLED HOMEBOUND CLIENT. George Washington Univ., Washington, DC 20006; Irene Tamagna, M.D.

The development of ways to provide employment to severely disabled *homebound* persons

within *occupations* emanating from modern *business* information *systems*.

SELECTED DEMONSTRATIONS
Industrial Homework Program for Disabled Persons Confined to Their Homes

RD-248 (58-3).* SERVICES FOR THE HOMEBOUND INDUSTRIAL HOMEWORK PROGRAM IN A RURAL AREA. Pulaski Co. Chapter of Arkansas Assn. for the Crippled, 2801 Lee Ave., Little Rock, AR 72205; Mrs. V. Armistead.

RD-273 (58-2).* HOMEBOUND DEMONSTRATION PROJECT FOR THE SEVERELY DISABLED IN A RURAL AREA. New Mexico Society for Crippled Children and Adults, 1807 Broadway N.E., Albuquerque, NM 87107; J. H. Hutchinson.

RD-475 (60-2).* INDUSTRIAL HOMEWORK FOR THE BLIND. South Dakota Service to the Blind, State Capitol Bldg., Pierre, SD 57004; Howard H. Hanson.

RD-1844-G (66-2).* A DEMONSTRATION PROJECT TO DETERMINE THE EFFECTIVENESS OF GROUP TRAINING OF HOMEBOUND PERSONS. Easter Seal Society for Crippled Children and Adults, P.O. Box 911, Des Moines, IA 50303; Howard W. Traxler, Ph.D.

SELECTED DEMONSTRATIONS
Provision of Vocational Rehabilitation Services in a Community Home-Care Program for the Chronically Ill

RD-229 (58-3).* REHABILITATION THROUGH A DOMICILIARY PROGRAM. Boston Dispensary, 25 Bennet St., Boston, MA 02111; John J. Lorentz, M.D., and C. D. Gibson, M.D.

XIV. RURAL DISABLED

RD-10 (55-4).* THE NORTHERN NEW YORK RURAL REHABILITATION SURVEY. Saranac Lake Rehabilitation Guild, 5 Franklin Ave., Saranac Lake, NY 12983; William F. Stearns.

To determine how best to provide adequate rehabilitation services to *disabled* persons in *rural areas* through a comprehensive *survey of their needs* in a selected area.

RD-33 (55-1).* MIGRANT LABOR HEALTH PROJECT: LOWER SNAKE RIVER VALLEY - IDAHO AND OREGON. Idaho State Dept. of Health, P.O. Box 650, Boise, ID 83701; L. J. Peterson.

To *survey* a group of *migrant workers* to determine the *extent* of physical *disability* and the accompanying need for vocational rehabilitation.

RD-129 (57-5).* A REGIONAL PROGRAM OF SERVICES FOR THE HANDICAPPED. Cincinnati Goodwill Industries Rehabilitation Center, Court and Plum Sts., Cincinnati, OH 45202; Homer C. Hallett.

To demonstrate the effectiveness and possible economics of using a *mobile team* operating from an *urban rehabilitation center* by providing specialized *consultation* for the disabled receiving services *in outlying areas*.

RD-301 (58-3).* A DEMONSTRATION OF METHODS OF PROVIDING COMPREHENSIVE REHABILITATION SERVICES TO RESIDENTS OF RURAL AREAS. Saranac Lake Rehabilitation Guild, 5 Franklin Ave., Saranac Lake, NY 12983; William F. Stearns.

To demonstrate and evaluate methods of providing *comprehensive* rehabilitation *services* to disabled persons in *rural areas* by *utilizing* more effectively *existing* hospital, medical, and related *resources*.

RD-367 (59-3).* MAINE DEMONSTRATION PROJECT: RURAL REHABILITATION. Pine Tree Society for Crippled Children and Adults, 616 High St., Bath, ME 04530; J. Richard Arnzen.

To demonstrate the feasibility and economic practicability of providing *comprehensive* vocational rehabilitation *services* for *severely disabled* persons living in *rural communities*.

RD-775-G (61-3).* MOBILE REHABILITATION EVALUATION TEAM. State Vocational Rehabilitation Division, State Capitol Station, Oklahoma City, OK 73105; James A. West.

To demonstrate the effectiveness of a specialized *mobile rehabilitation team* in providing comprehensive *evaluations* of severely physically disabled or emotionally disturbed clients *at the community level* where such services have not previously been available.

RD-1034-G (62-3).* ORGANIZATION AND COORDINATION OF REHABILITATION RESOURCES IN A RURAL STATE. Hyde Rehabilitation Center, 616 High St., Bath, ME 04530; J. R. Arnzen.

To demonstrate methods of *coordinating* medical and rehabilitation *resources* in a *community* to provide *comprehensive* vocational rehabilitation *services to disabled* persons in a predominantly *rural* State.

RD-1259-G (64-3).* VOCATIONAL REHABILITATION IN A RURAL COMMUNITY. Achievement House, P.O. Box 53, San Luis Obispo, CA 93402; Tom G. Rathbone.

To demonstrate the effectiveness of a vocationally oriented *workshop* in meeting the *training* needs of *severely disabled* persons in a *rural community*.

RD-1558-G (65-3).* A DEMONSTRATION OF SPECIAL TECHNIQUES OF JOB PLACEMENT OF WORKSHOP CLIENTS IN A RURAL AREA. Austin Achievement Corp., 2201 N.W. Fourth St., Austin, MN 55912; Mrs. Laura Zemlin.

To demonstrate *special techniques* of job *placement* of workshop clients in a *rural* area.

RD-2961-G (69-1). HOMEMAKING REHABILITATION PROGRAM FOR PHYSICALLY LIMITED INDIVIDUALS.

The production of a *color-sound film* to demonstrate at the community level the benefits of providing rehabilitation services for physically limited *homemakers*. The film is built around a mobile coach featuring examples of special adaptations of homemaker work space and equipment.

XV. WORKMEN'S COMPENSATION

RD-62 (56-5).* THE VOCATIONAL REHABILITATION OF INDUSTRIALLY INJURED WORKERS. State Bureau of Vocational Rehabilitation, 721 Capitol Ave., Sacramento, CA 95814; F. E. Hart, Jr.

To determine the *extent* to which a program of *vocational rehabilitation* for *injured workmen* covered by workmen's compensation can effect successful and speedy *return to employment* and benefit workmen, employers, and insurers.

RD-127 (57-1).* LUMP SUM REDEMPTION SETTLEMENTS AND REHABILITATION. Univ. of Michigan, Ann Arbor, MI 48104; J. N. Morgan.

To determine the *effects* of a *lump sum* cash *settlement* under workmen's compensation on the rehabilitation of disabled workers.

RD-251 (58-2).* AN EVALUATION OF THE EFFECTIVENESS OF THE PENNSYLVANIA SYSTEM OF COMPENSATION AND REHABILITATION. Workmen's Compensation Board, Commonwealth of Pennsylvania, Dept. of Labor and Industry, Harrisburg, PA 17121; J. L. Dorris, M.D.

To assess, through *followup study* of seriously *injured workmen*, the medical and rehabilitation *services* received, financial *problems* encountered, and *experience in returning to employment*.

RD-290 (59-3).* THE LABOR MARKET EXPERIENCE OF DISABLED WORKERS. Commercial ed. *Disabled Workers in the Labor Market*. Columbia Univ., New York, NY 10025; A. J. Jaffee, Ph.D.

To study the employment *experiences of disabled* workmen's compensation *beneficiaries* subsequent to recovery and *reentry into the labor force*.

RD-441 (60-4).* A DEMONSTRATION OF WORKMEN'S COMPENSATION-REHABILITATION COOPERATION. Division of Workmen's Compensation, 29 East Front St., Trenton, NJ 08625; John Ellis.

To improve and develop new techniques for *cooperation between* workmen's compensation and rehabilitation *agencies*.

RD-725 (61-1).* RESEARCH CONFERENCE ON WORKMEN'S COMPENSATION AND VOCATIONAL REHABILITATION. Columbia Univ., 605 West 115th St., New York, NY 10025; A. J. Jaffe, Ph.D.

To conduct a *conference* of investigators engaged in OVR research projects in workmen's compensation and selected authorities for the purpose of *identifying further research* which will advance the *rehabilitation* and reemployment opportunities of *disabled workers*.

RD-797-G (62-3).* REHABILITATION SERVICES APPLIED TO INJURED WORKERS THROUGH A COOPERATIVE REFERRAL PROGRAM. Bureau of Vocational Rehabilitation, Labor and Industry Bldg., Harrisburg, PA 17121; Joseph V. O'Rourke.

To demonstrate the effectiveness of a *cooperative interagency program* in reducing time lost from employment for selected workmen's compensation beneficiaries through provision of *early* comprehensive *rehabilitation* evaluation and service.

RD-816-G (62-1).* CONTROVERTED CASES--NEW YORK STATE WORKMEN'S COMPENSATION: RELATION TO REHABILITATION OF THE INDUSTRIALLY INJURED. New York Univ., Washington Square, New York, NY 10003; Lois MacDonald, Ph.D.

To study *factors which delay* referral of *controverted* workmen's compensation *cases* for early vocational *rehabilitation* evaluation and treatment.

RD-1982-G (66-3).* UNION COUNSELOR REHABILITATION DEMONSTRATION PROJECT. Iowa Federation of Labor, AFL-CIO, 900 Paramount Bldg., Des Moines, IA 50309; Charles E. Harvey.

To demonstrate the *increase* of *Workmen's Compensation cases* which are referred to the DVR as a result of *utilizing trained nonprofessional union counselors*.

Spec. rept. *Rehabilitation Handbook*.

RD-23 (55-1).* A BASIC SURVEY AND DEVELOPMENTAL PLANNING FOR A NATIONAL REHABILITATION CENTER. Natl. Orthopaedic and Rehabilitation Hospital, 2455 Army-Navy Drive, Arlington, VA 22210; O. A. Engh, M.D.

To plan a program of services for a national *pilot demonstration rehabilitation center* in the metropolitan Washington area. See also RD-72.

RD-25 (55-1).* PRELIMINARY STUDY FOR A PILOT DEMONSTRATION REHABILITATION CENTER. George Washington Univ., 901 23rd St. N.W., Washington, DC 20037; Charles S. Wise, M.D.

To plan a program of services for a national *pilot demonstration rehabilitation center* in the metropolitan Washington area.

RD-71 (56-4).* TO DEMONSTRATE THAT A LARGER NUMBER OF SEVERELY DISABLED PERSONS CAN BE REHABILITATED THROUGH ESTABLISHING PHYSICAL MEDICINE AND REHABILITATION SERVICES AS A PART OF A PROGRAM OF A SHELTERED WORKSHOP. Davis Memorial Goodwill Industries, 1218 New Hampshire Ave N.W., Washington, DC 20036; W. Harold Snape.

To demonstrate that a larger number of severely disabled persons can be rehabilitated through establishing physical medicine and *rehabilitation services* as a part of a *sheltered* workshop program.

RD-72 (56-8).* PILOT DEMONSTRATION REHABILITATION CENTER, WASHINGTON, DC, AREA. National Orthopaedic and Rehabilitation Hospital, 2455 Army-Navy Drive, Arlington, VA 22210; O. A. Engh, M.D.

To develop a *pilot demonstration* rehabilitation center in the metropolitan Washington area as a *guide for rehabilitation centers* established in other parts of the country. See also RD-23.

RD-190 (57-1).* REHABILITATION CENTER PLANNING: AN ARCHITECTURAL GUIDE. 2 vols. Pennsylvania State Univ., University Park, PA 16802; F. C. Salmon.

To prepare *architectural guides* and criteria for use by community groups and agencies in the planning and construction of *rehabilitation centers*.

RD-193 (57-3).* Final report in 3 vols. 1. BASIC ACCOUNTING PROCEDURES FOR REHABILITATION CENTERS AND FACILITIES. 2. COST ACCOUNTING, BUDGETING, AND STATISTICAL PROCEDURES FOR REHABILITATION CENTERS AND FACILITIES. 3. FINANCING AND OPERATING REHABILITATION CENTERS AND FACILITIES. Natl. Society for Crippled Children and Adults, 2023 West Ogden Ave., Chicago, IL 60612; D. W. Roberts, M.D.

Through the study of costs and income of current programs, to develop a standard *system of statistical and financial reporting* for use in the *administration of rehabilitation centers*.

RD-203 (58-1).* TO ESTABLISH A REGIONAL FACILITY PREVOCATIONAL UNIT, SCHOOL OF OCCUPATIONAL THERAPY. Univ. of Pennsylvania, Sch. of Auxiliary Medical Service, Philadelphia, PA 19104; W. G. Hutchinson.

To establish a *regional facility* to provide *evaluation* and vocational *services* to disabled persons from three States.

RD-221 (58-3).* A STUDY OF THE INTEGRATION OF SERVICES OF INDUSTRIAL MEDICAL DEPARTMENTS AND A REHABILITATION CENTER. Harmarville Rehabilitation Center, Pittsburgh, PA 15238; Anita McQuillen.

To demonstrate the effectiveness of a *joint effort* between *industrial medical departments* of both light and heavy industry and a comprehensive *rehabilitation center* in the early return of newly disabled workers to employment.

RD-303 (58-5).* DEVELOPMENT OF CENTRALIZED VOCATIONAL TRAINING AS A TOTAL COMMUNITY PROJECT. Arizona Foundation for the Handicapped, 3146 East Windsor, Phoenix, AZ 85008; R. Kenneth Maton.

To demonstrate the effectiveness of a *multicommunity agency-sponsored workshop* in increasing employment opportunities for the severely disabled.

RD-370 (59-1).* VERMONT SHELTERED WORKSHOPS WORK CLASSIFICATION AND EVALUATION UNIT. Vermont Sheltered Workshops, 20 Washington St., Barre, VT 05641; Paul W. Nutter.

To establish a *facility* to provide *work classification and evaluation* services to disabled persons residing in *rural* areas.

RD-388 (59-1).* ESTABLISHMENT OF A REGIONAL REHABILITATION FACILITY. Arkansas Vocational Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; Don W. Russell.

To conduct a survey to determine the *feasibility* of establishing a comprehensive *regional* rehabilitation *facility*. See also RD-579.

RD-395 (59-1).* BEHAVIORAL RESEARCH IN REHABILITATION: A REPORT ON THE CLEVELAND SYMPOSIUM. Highland View Hospital, 3901 Ireland Drive, Cleveland, OH 44322; M. Peszczynski, M.D.

To plan and conduct a *conference* of investigators engaged in OVR *research* and demonstration projects *involving* the use of *hospital facilities* or hospital-based vocational rehabilitation activities to advance research *methods* and develop additional research *opportunities*.

RD-437 (59-2).* SOME FACTS AND RECOMMENDATIONS CONCERNING RECREATION SERVICES TO CLIENTS OF REPRESENTATIVE TYPES OF SHELTERED WORKSHOP. Natl. Recreation Assn., 8 West 8th St., New York NY 10011; Elliott M. Cohen.

To study the status of *recreational services* in *sheltered workshops* and to evaluate the need for such services in the total rehabilitation of disabled persons.

RD-453 (60-3).* CONTRACT PROCUREMENT PRACTICES OF SHELTERED WORKSHOPS. Natl. Society for Crippled Children and Adults, 2023 West Ogden Ave., Chicago, IL 62212; D. W. Roberts, M.D.

To develop methods and techniques for use by *sheltered workshop* programs in obtaining new or increased *contract resources*.

RD-477 (60-2).* MARKETING HANDBOOK FOR SHELTERED WORKSHOPS. Univ. of North Carolina, Chapel Hill, NC 27515; Dr. C. A. Kirkpatrick.

To identify and analyze *marketing problems* of *sheltered workshops* and to prepare a *guide which will adapt marketing principles* to the special needs and problems of agencies providing sheltered employment for handicapped individuals.

RD-503 (60-3).* WORK CLASSIFICATION AND EVALUATION PROJECT. Lanakila Crafts, 1700 Lanakila Ave., Honolulu, HI; Mrs. Violet Kam.

To demonstrate the effectiveness of using actual *work samples* in conjunction with training-production activities in a *workshop* serving different groups of the severely disabled.

RD-516 (60-5).* STANDARDS FOR REHABILITATION CENTERS AND FACILITIES. Assn. of Rehabilitation Centers, 828 Davis St., Evanston, IL 60201; Charles E. Caniff.

To develop and evaluate a system of *standards* for the *operation of rehabilitation centers* and facilities.

Spec. repts. 1. *Standards for Rehabilitation Centers and Facilities*. 2. *Manual of Standards for Rehabilitation Centers and Facilities*. 3. *Standards Survey form for Rehabilitation Centers and Facilities*.

RD-533 (60-1).* PLANNING FOR MODIFICATION OF UNIVERSITY FACILITIES IN ORDER TO ACCOMMODATE SEVERELY HANDICAPPED STUDENTS. Univ. of Missouri, Columbia, MO 65201; John F. McGowan, Ed.D.

To plan a study of the need and feasibility of modifying existing *university facilities* and establishing new ones to more adequately *accommodate severely disabled students*. See also RD-629.

RD-544 (61-2).* SHELTERED WORKSHOPS IN MASSACHUSETTS: A DESCRIPTIVE AND FUNCTIONAL STUDY. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Richard V. McCann, Ph.D.

To develop *methods* which will assist State rehabilitation agencies in statewide planning and *assessment* of *sheltered workshop resources*.

RD-579 (60-2).* ONE REHABILITATION CENTER - A BEGINNING. Arkansas Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; Curtis O. Little.

To establish a comprehensive regional *rehabilitation center* at Hot Springs. See also RD-388.

RD-610 (60-4).* THE REGIONAL REHABILITATION-FOR-WORK CENTER. Morgan Memorial, 93 Berkeley St., Boston, MA 02116; William F. Stearns.

To establish a comprehensive *regional facility* to provide *adjustment, training, and workshop services* to persons from a number of States who are disabled by severely emotional or physical handicaps.

RD-629 (61-5).* PREPARING HIGHER EDUCATION FACILITIES FOR HANDICAPPED STUDENTS. Univ. of Missouri, Columbia, MO 65201; John F. McGowan, Ed.D.

To develop necessary techniques and establish a *regional university facility* and specialized services to meet the *needs* of severely *handicapped college students*. See also RD-533.

RD-662 (60-1).* DEVELOPMENT OF A COMPREHENSIVE MULTI-DISABILITY REHABILITATION CENTER FROM A UNI-DISABILITY (POLIO) CENTER. Georgia Warm Springs Foundation, Warm Springs, GA 31830; R. L. Bennett, M.D.

To study the *methods* whereby a *unidisability* (polio) center may be *converted* into a comprehensive *regional rehabilitation center* to serve a multidisability population.

RD-677 (61-4).* JOINING HANDS IN ARKANSAS BUILDING WORKSHOPS. Arkansas Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; James E. Cook.

To demonstrate the feasibility of developing an organized *statewide system* of *sheltered workshops and homebound industry*.

RD-727 (61-2).* SHELTERED WORKSHOP STANDARDS. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; Jerome Bernstein.

To validate and refine data already collected on *standards and criteria* for *sheltered workshops*.

RD-753-G (61-3).* 1964 DIRECTORY OF REHABILITATION FACILITIES. Assn. of Rehabilitation Centers, 828 Davis St., Evanston, IL 60201; Charles E. Caniff.

To develop a systematic *voluntary reporting procedure for rehabilitation centers and facilities* designed to provide operational and other data on a national basis.

RD-812-P (62-2).* HIGHER EDUCATION AND HANDICAPPED STUDENTS. Kansas State Teachers College, Emporia, KS 66802; Eugene S. Edgington.

To develop a *manual on college facilities* and services required for *severely handicapped students*.

RD-847-G (62-3).* DEMAND FOR REHABILITATION IN A LABOR UNION POPULATION. 2 Vols. 1. Research Report. 2. Action Program. Sidney Hillman Health Center, 16 East 16th St., New York, NY 10003; Hyman Weiner.

To demonstrate the value of comprehensive *rehabilitation services* in a *labor health center* as well as maximum utilization of existing community rehabilitation resources.

RD-864-G (62-3).* A PROJECT TO PLAN THE ESTABLISHMENT OF A STATE OPERATED MULTI-DISABILITY COMPREHENSIVE REHABILITATION CENTER TO BE INTEGRATED WITH THE WARM SPRINGS FOUNDATION PROGRAM. Division of Vocational Rehabilitation, 129 State Office Bldg., Atlanta, GA 30334; A. P. Jarrell.

To plan the establishment of a *State operated* multidisability rehabilitation *facility* utilizing the existing Georgia *Warm Springs* Foundation Center.

RD-883-G (63-2).* SHELTERED WORKSHOPS: AN ARCHITECTURAL GUIDE. Oklahoma State Univ., Stillwater, OK 74075; F. Cuthbert Salmon.

To prepare *architectural guides* and criteria for use by community groups and agencies in the construction or remodeling of rehabilitation *sheltered workshops*.

RD-1182-G (63-1).* THE REQUIREMENTS OF EFFECTIVE SHELTERED WORKSHOP SUPERVISION. Goodwill Industries of Santa Clara Co., 46 Race St., San Jose, CA 95126; E. H. Barton, Jr.

To study the *sheltered workshop supervisor's role*, training needs, and desirable characteristics.

RD-1248-G (63-1).* DEVELOPMENT OF A COMBINATION TRANSITIONAL LONG-TERM SHELTERED WORKSHOP IN A COMMUNITY OF 30,000 POPULATION. Austin Achievement Corp., 2201 Fourth St. N.W., Austin, MN 55912; Mrs. Laura Zemlin.

To plan a demonstration of the effectiveness of a *sheltered workshop* which will *utilize the resources* of a *rural* area. See also RD-1558-G.

RD-1249-G (63-1).* A STUDY OF THE EXPANSION OF SERVICES. Samuel Gompers Memorial Rehabilitation Center, 7211 North Seventh St., Phoenix, AZ 85020; A. D. Robertson, M.D.

To devise a plan for economical *operation of a comprehensive rehabilitation center* through collaborative function of a vocationally oriented *team* drawn from disciplines of medicine, psychology, and social work.

RD-1339-G (63-1).* A REPORT. Elder Craftsmen Shop, 850 Lexington Ave., New York, NY 10021; Eugenie d'Arsi.

To plan a demonstration that would be suitable for the *homebound or older disabled worker*, utilizing the experience of the Elder Craftsmen Shop.

Spec. rept. *Present Program: Manual.*

RD-1348-G (64-3).* A DEMONSTRATION STUDY IN CENTRALIZATION OF EDUCATIONAL EFFORTS, FACILITIES, FUNDS AND PERSONNEL ESSENTIAL TO COMPREHENSIVE REHABILITATION IN GEOGRAPHICALLY RELATED COMMUNITIES. Rehabilitation Center of Southern Fairfield Co., 26 Palmer's Hill Road, Stanford, CT 06902; James I. Porter, M.D.

A demonstration of *centralization of rehabilitation resources* in *five* geographically related *communities* served by hospitals, nursing homes, and a home care program.

RD-1428-G (64-1).* A PLANNING STUDY FOR THE DEFINITION OF A PROPOSED REHABILITATION CENTER. State Univ. of Iowa, Iowa City, IA 52240; Robert Hardin, M.D.

Planning study for definition of a *proposed rehabilitation center*.

RD-1489-P (64-1).* TO DEVELOP PLANS FOR COORDINATING WORKSHOP AND RELATED SERVICES OF VARIOUS AGENCIES INTO A COMMUNITY WORKSHOP. United Community Fund of San Francisco, 2015 Steiner St., San Francisco, CA 95115; David F. DeMarche, Ph.D.

To develop plans for *coordinating* workshop and related services of various *agencies* into a *community workshop*.

RD-1516-G (64-1).* STUDY OF THE PROGRAM AND OPERATION OF THE CARUTH MEMORIAL REHABILITATION CENTER. Caruth Memorial Rehabilitation Center, 7850 Brookhollow Road, Dallas, TX 75235; M. L. McDonald.

To demonstrate a *study* of the program and operation of a comprehensive *center by a panel of consultants*.

RD-1545-G (65-3).* OCCUPATIONAL TRAINING CENTERS FOR THE SEVERELY DISABLED IN NEVADA. Division of Vocational Rehabilitation, Carson City, NV 89701; Charles O. Ryan.

To establish two *multidisability workshops* for persons originally considered unemployable.

RD-1549-G (65-3).* THE INTEGRATION OF AGENCY SERVICES INTO A MULTI-DISABILITY VOCATIONAL SERVICES PROGRAM. Evansville Assn. for the Blind, 500 Second Ave., Evansville, IN 47710; John K. Flake.

To *integrate* the specialized services of several agencies into a *multidisability* vocational services *program*.

RD-1622-G (64-1).* PLANNING FOR ESTABLISHMENT OF A COMPREHENSIVE EVALUATION REHABILITATION CENTER. Memorial Hospital of Chatham Co., 63rd and Waters Ave., Savannah, GA 31405; R. J. Weinzettel.

Planning for the establishment of a comprehensive *community rehabilitation center*.

RD-1654-G (64-3).* PLANNING FOR DEVELOPMENT AND UTILIZATION OF REHABILITATION FACILITIES IN WEST VIRGINIA. Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Gary C. Palmer.

To study *current utilization* of and *need* for rehabilitation facilities in West Virginia.

RD-1666-G (65-2).* Final report in 2 vols. 1. REHABILITATION FACILITIES STATISTICS PROGRAM. 2. CODING AND INSTRUCTION MANUAL AND DATA PROCESSING MATERIALS. Assn. of Rehabilitation Centers, 7979 Old Georgetown Road, Washington, DC 20014; Charles L. Roberts.

To demonstrate the feasibility of establishing a *national reporting system* for *rehabilitation facilities*.

RD-1669-M (65-1).* PLANNING FOR A REGIONAL SPINAL CORD INJURY REHABILITATION CENTER. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; John E. Affeldt, M.D.

To plan a *regional spinal cord injury rehabilitation center* at the hospital. See also RD-2114.

RD-1760-G (65-1).* A MASTER PLAN FOR THE GORDON SMITH CENTER FOR HEALTH AND REHABILITATION IN MOBILE, ALABAMA. Community Chest and Council of Mobile Co., P.O. Box 503, Mobile, AL 36601; William Kaufman.

To plan the development of a *health and rehabilitation complex* for Mobile County, Alabama.

RD-1772-G (66-3).* SHELTERED WORKSHOP AND EVALUATION CENTER FOR THE DISABLED. Division of Vocational Rehabilitation, Dept. of Education, St. Thomas, VI; Earl B. Finch.

To demonstrate the feasibility of a *multidisability workshop*, having *terminal and transitional* programs, and jointly administered by the DVR and the Social Welfare Agency.

RD-1854-G (66-1).* REHABILITATION VOCATIONAL TRAINING FACILITY RESEARCH AND PLANNING PROJECT. Woodrow Wilson Rehabilitation Center, Fishersville, VA 22939; T. K. Fitzpatrick.

A planning grant to determine the most suitable *space, design, and construction* for a *vocational training building* to accommodate *students* with a variety of handicapping conditions.

RD-1940-G (66-3). REHABILITATION CENTER FOR PERSONS WITH MULTIPLE HANDICAPS. Delta Foundation for Rehabilitation and Research, 6919 111th Ave., Snohomish, WA 98290; Bert H. Worley.

To demonstrate the effectiveness of utilizing a *residential facility and a range of community services* in the vocational and social rehabilitation of *persons with multiple handicaps*, placing especial emphasis on *evaluation in the community*.

RD-2010-G (66-1).* PLANNING FOR JOINT APPROVAL-ACCREDITATION PROGRAM OF REHABILITATION FACILITIES AND WORKSHOPS. Assn. of Rehabilitation Centers, 828 Davis St., Evanston, IL 60201; Charles E. Caniff.

To plan for a joint *approval-accreditation program* for rehabilitation facilities and sheltered workshops. See also RD-2367.

RD-2011-G (66-1).* NATIONAL ASSOCIATION OF SHELTERED WORKSHOPS AND HOMEBOUND PROGRAMS: JOINT APPROVAL-ACCREDITATION PROGRAM. Natl. Assn. of Sheltered Workshops and Homebound Programs, 1522 K St. N.W., Washington, DC 20005; Antonio C. Suazo.

To plan for a joint *approval-accreditation program* for rehabilitation facilities and sheltered workshops. See also RD-2367.

RD-2173-G (66-3).* STUDENT DESIGNS IN VOCATIONAL REHABILITATION. Rhode Island Sch. of Design, Industrial Design Dept., Providence, RI 02903; J. W. Lincoln and M. S. Harrison.

To demonstrate the value of involving *industrial design* students in the *rehabilitation* field. See also RD-1754.

RD-2181-G (66-1).* STANDARD ACCOUNTING FOR SHELTERED WORKSHOPS AND REHABILITATION CENTERS. Goodwill Industries of America, 1913 N St. N.W., Washington, DC 20036; Robert Galloway, C.P.A.

A pilot project to determine the feasibility of establishing a *standardized accounting system* for *sheltered workshops and rehabilitation centers*. See also RD-2501.

RD-2196-G (67-1). PERSONAL ADJUSTMENT IN A SHELTERED WORKSHOP. Film. Indianapolis Goodwill Industries, 1635 West Michigan St., Indianapolis, IN 46222; Maurine R. Miller, Ph.D.

To produce a *training film demonstrating*

therapeutic techniques a sheltered workshop can utilize with *clients considered unemployable* because of personal or emotional factors.

RD-2291-G (66-1).* DEVELOPMENT OF A VOCATIONAL REHABILITATION CENTER: REPORT OF A SURVEY. District of Columbia Dept. of Corrections, 300 Indiana Ave. N.W., Washington, DC 20001; R. S. Horlock, Ph.D.

A planning project to determine what construction and program features should be included in a comprehensive rehabilitation *facility* for *young handicapped inmates* of a correctional facility.

RD-2320-G (66-3). EMERGENCY CONCENTRATED SERVICES IN A RURAL AREA. Vocational Rehabilitation Division, Mississippi State Dept. of Education, P.O. Box 1698, Jackson, MS 39205; Henry J. Eaton.

To demonstrate how a *residential* rehabilitation center in a *rural area* can provide vocational rehabilitation services for a group of *socially and economically deprived handicapped persons* utilizing both inpatient and outpatient services and smaller satellite centers. See also RD-2313.

RD-2325-G (67-1).* DEVELOPMENT OF RECREATION SERVICES IN REHABILITATION CENTERS. Comeback, Inc., 16 West 46th St., New York, NY 10036; Mrs. Beatrice Hill.

A pilot project to conduct a survey to determine what *recreational services* are provided in rehabilitation centers and to develop plans for *improved therapeutic recreational services*. See also RD-2702.

RD-2367-G (67-5). IMPLEMENTATION OF STANDARDS THROUGH OPERATIONAL RESEARCH AND EDUCATION. Commission on Accreditation of Rehabilitation Facilities, 645 North Michigan Ave., Chicago, IL 60611; Charles E. Caniff.

To demonstrate the establishment of a national *survey and accreditation program* of rehabilitation facilities (centers and workshops). See also RD-2010; RD-2011.

RD-2417-G (67-3). HOW A COMPREHENSIVE HEALTH AND VOCATIONAL REHABILITATION COMPLEX BECOMES ESTABLISHED. Gordon Smith Center, P.O. Box 7265, Mobile, AL 36601; Lee O. Dees.

To study the process of a *community* as it establishes a comprehensive *rehabilitation and health complex* on one piece of real estate, yet provides for the autonomy of each organization.

RD-2594-G (67-1). PLANNING AND IMPLEMENTATION OF THE CLEVELAND REHABILITATION WORK CENTER. Vocational Guidance and Rehabilitation Service, 2239 East 55th St., Cleveland, OH 44103; Dr. Richard O'Toole.

A project to document and analyze the process involved in the *formation and implementation* of a *coordinated rehabilitation complex* made up of autonomous rehabilitation agencies.

RD-2702-G (67-1).* THE DEVELOPMENT OF RECREATION SERVICES IN REHABILITATION CENTERS. New York Univ., Washington Square, New York, NY 10003; Doris L. Berryman.

To continue the examination of the current role of *therapeutic recreation services* in rehabilitation centers initiated under RD-2325-G.

RD-2714-G (68-1).* EFFECT AND RELATIONSHIP OF WAGE STRUCTURE TO THE TRAINING OF HANDICAPPED CLIENTS IN SHELTERED WORKSHOPS. Natl. Assn. of Sheltered Workshops and Homebound Programs, 1522 K St. N.W., Washington, DC 20005; Antonio C. Suazo.

A pilot project to study the *relationship* of exisiting *wage structure* to *service program* in various types of workshops and its effect upon the vocational rehabilitation of clients.

RD-2729-G (68-1).* NATIONAL WORKSHOP CONTRACT PLANNING: A FEASIBILITY STUDY. Natl. Assn. of Sheltered Workshops and Homebound Programs, 1522 K St N.W., Washington, DC 20005; Joseph A. Reyes.

A pilot project to determine the feasibility of obtaining major *contracts* from industry to be performed in *sheltered workshops* having a similarity to industry and hopefully leading to a national contracting service.

RD-2859-G (69-3). MODEL INFORMATION AND DEMONSTRATION SITE FOR THE REMOVAL OF ARCHITECTURAL BARRIERS. East Central State College, Ada, OK 74820; B. J. Tillman and James West.

A demonstration of removal of *architectural barriers* from a *college campus*, together with a program to assist administrators of other colleges to develop similar programs for their campuses.

RD-2920-M (68-3). SPECIAL REGIONAL FACILITY FOR REHABILITATION IN DERMATOLOGY. Univ. of Maryland, Sch. of Medicine, 22 South Greene St., Baltimore, MD 21201; Harry M. Robinson, Jr., M.D.

To establish a special *regional facility* for the *rehabilitation* of patients with *chronic skin eruptions*.

RD-2958-G (69-3). PHOENIX PRODUCTS, INC., PRODUCT DEVELOPMENT CENTER. Phoenix Products, Inc., 2031 Cherry Industrial Circle, Long Beach, CA 90805; James W. Caddick.

The development of a *product development center* for sheltered workshops.

RD-2970-M (68-4). STOMA REHABILITATION CLINIC. New England Deaconess Hospital, 185 Pilgrim Road, Boston, MA 02215; John L. Rowbotham, M.D.

To establish a *regional facility* for the rehabilitation of patients with *abdominal stomas*. See also RD-2703.

RD-3012-M (69-3). REGIONAL SPINAL CORD INJURY REHABILITATION CENTER. Attending Staff Assn., Rancho Los Amigos Hospital, 12826 Hawthorn St., Downey, CA 90242; E. Shannon Stauffer, M.D.

To further develop a *regional center* for the rehabilitation of spinal cord injury patients.

RD-3040-G (69-1). PILOT PROJECT FOR A MATERIALS DEVELOPMENT CENTER IN WORK EVALUATION, WORK ADJUSTMENT, AND TRAINING. Stout State Univ., Menomonie, WI 54751; Paul R. Hoffman, Ed.D.

A study of the possibility of establishing a *national center* to develop and disseminate *training materials for work evaluation*.

RD-3078-G (69-1). SUPPLEMENTAL PROGRAM PLANNING. J. Walter Cameron Center, Kaahumanu Ave., Wailuku, Maui, HI 96793; Kathryn C. Crockett.

To study the feasibility of developing a *comprehensive rehabilitation complex*.

RD-3101-P (69-3). PERSONALITY AND ATTITUDES CONCERNING PHYSICAL DISABILITY. Temple Univ., Philadelphia, PA 19122; Russell Eisenman.

To study *prejudice* against the physically disabled, personality variables associated with such prejudice, and the relationship of *prejudiced attitudes* and personality of physically disabled subjects to their progress in physical therapy, occupational therapy, and psychotherapy.

RD-3125-M (69-3). PLANNING A REHABILITATION HOSPITAL AND RESEARCH INSTITUTE. Vanderbilt Sch. of Medicine, Nashville TN 37203; Hugh R. Vickerstaff.

To *plan* for the construction of a comprehensive regional *Rehabilitation Hospital* and *Research Institute*.

RD-14 (55-4).* REPORT OF THE DIVISION OF RESEARCH OF THE NATIONAL REHABILITATION ASSOCIATION ON THE STUDY OF REHABILITATION COUNSELOR EDUCATION. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; E. B. Whitten.

To study the *functions* and training *needs* of vocational rehabilitation *counselors* and the development of accrediting standards which may be used in their training. See also RD-394.

Spec. repts. Provisional Reports on Rehabilitation Literature. 1. *Theses and Dissertations Related to Rehabilitation Counselor Education.* 2. *Indexed Topical Analysis of Titles of Theses and Dissertations Related to Rehabilitation Counselor Education.* 3. *Research and Demonstrations in Progress Related to Rehabilitation Counselor Education.*

RD-108 (57-5).* A SCALE OF EMPLOYABILITY FOR HANDICAPPED PERSONS. Jewish Vocational Service, One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.

To improve vocational rehabilitation techniques by developing a *scale of employability* to assist in evaluating a disabled individual's ability to obtain and hold a job.

RD-110 (57-2).* WORK RELATIONSHIPS OF THE PHYSICALLY IMPAIRED IN A MULTIPLE DISABILITY SHELTERED WORKSHOP AND IN STANDARD INDUSTRY. Univ. of Oklahoma Medical Center, Oklahoma City, OK 73104; J. S. Felton, M.D.

To determine factors which make for good work relationships and psychological adjustment of handicapped workers in a large industrial setting and in a *sheltered workshop* setting.

RD-120 (56-3).* A RESEARCH AND DEMONSTRATION PROJECT TO MEASURE THE PROGRESS OF PATIENTS IN A REHABILITATION CENTER AND TEST THE VALUE OF THE SOCIAL GROUP WORK METHOD TO THE TOTAL TREATMENT PLAN IN A REHABILITATION CENTER. Crotched Mountain Foundation, Greenfield, NH 03047; Mary Ruth Pippen.

To demonstrate the value of the *social group work method* in the rehabilitation of severely disabled persons in a rehabilitation center.

RD-135 (57-3).* CRITICAL COUNSELING BEHAVIOR IN REHABILITATION SETTINGS. State Univ. of Iowa, Iowa City, IA 52240; John E. Muthard, Ph.D.

To study the vocational rehabilitation *counseling process* to determine some of the *elements* in successful and unsuccessful counseling.

RD-136 (57-3).* REHABILITATION CODES: DEVELOPMENT AND FIELD TESTING OF AN OPERATIONAL TOOL FOR SERIAL RECORDING OF THE REHABILITATION PROCESS. Assn. for the Aid of Crippled Children, 345 East 46th St., New York, NY 10017; Leonard W. Mayo.

To explore the feasibility of developing a *statistical code* for presenting *functional limitations* of muscular-skeletal and neuromuscular disorders. See also RD-788.

RD-147 (57-5).* VOCATIONAL REHABILITATION - THIS IS ONE WAY. Arkansas Vocational Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; W. R. Ooley.

To experiment with procedures for *utilizing* rehabilitation *counselors* in their *specialized function* to the best advantage of both the client and the rehabilitation agency.

RD-154 (57-3).* DEVELOPING AND STANDARDIZING A METHOD OF CLASSIFYING THE PHYSICAL, SOCIAL, EMOTIONAL, AND VOCATIONAL CAPACITIES OF THE DISABLED INDIVIDUAL FUNCTIONALLY. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To improve the technique for appraising the rehabilitation potential of the disabled by developing a *uniform system for classifying* their physical, social, emotional, and vocational *capacities.*

RD-162 (57-2).* CHARACTERISTICS OF VOCATIONAL REHABILITATION COUNSELOR TRAINEES. Univ. of Illinois, Urbana, IL 61803; G. H. Patterson, Ph.D.

To determine characteristics of *trainees in* vocational rehabilitation *counseling* as a basis for future selection procedures.

RD-234 (58-3).* PRE-VOCATIONAL THERAPY DEMONSTRATION IN A GENERAL HOSPITAL AND A REHABILITATION CENTER. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To study the relationships between the results obtained from standardized tests used by counselors and the findings of a *prevocational therapy* unit in *establishing vocational objectives.*

RD-283 (58-3).* DEVELOPMENT OF A VOCATIONAL REHABILITATION POTENTIAL RATING SCALE BASED ON PERSONALITY VARIABLES. Los Angeles Orthopaedic Foundation, 2400 South Flower St., Los Angeles, CA 90007; J. T. Lester, Jr., Ph.D.

To explore techniques for *assessing* the *vocational rehabilitation potential* of disabled persons based on analyses of *personality factors.*

RD-321 (59-5).* COUNSELING WITH PHYSICALLY HANDICAPPED ADOLESCENTS. Board of Education of the City of St. Louis, 911 Locust St., St. Louis, MO 63101; George E. Mowrer, Ed.D.

To demonstrate the effectiveness of intensive *counseling* for physically *handicapped high school students* to enhance their social and vocational adjustment after graduation.

RD-394 (59-1).* NARRATIVE 1955-1958 SURVEY OF THESES AND DISSERTATIONS RELATED TO REHABILITATION COUNSELOR EDUCATION. Southern Illinois Univ., Carbondale, IL 62903; J. H. Hall, Ed.D.

To summarize and report *research findings* related to rehabilitation *counselor education*. See also RD-14.

RD-412 (59-5).* OBTAINING AND USING ACTUAL JOB SAMPLES IN A WORK EVALUATION PROGRAM. Vocational Guidance and Rehabilitation Services, 2239 East 55th St., Cleveland, OH 44103; Karl L. Ireland.

To develop methods of obtaining actual *job samples* and to demonstrate use of such samples in a work evaluation setting.

Spec. rept. *Evaluation for Work by Job Sample Tasks.*

RD-429 (60-1).* HELP WANTED. Film. Univ. of Nebraska, Lincoln, NB 68508; Dr. LaVern C. Strough.

To develop an educational and informational *film* to demonstrate the *functions* of vocational rehabilitation *counselors as team members* in the rehabilitation of persons with *mental illness.*

RD-445 (59-3).* MUSCULAR STRENGTH IN RELATION TO OCCUPATIONAL REQUIREMENTS. Sister Elizabeth Kenny Foundation, 1800 Chicago Ave., Minneapolis, MN 55404; W. C. Beasley, Ph.D.

To develop and standardize techniques for *measuring* strength of *upper extremity muscles* among diverse occupational groups and to establish minimum functional requirements for certain types of employment.

RD-482 (60-3).* THE CRITERIA PROBLEM IN REHABILITATION COUNSELING. State Univ. of Iowa, Iowa City, IA 52240; John E. Muthard, Ph.D.

To develop *criteria and methods* for *evaluating* the work of vocational *counselors.*

RD-527 (60-5).* REHABILITATION ACTION PROJECT. Welfare Council of Metropolitan Chicago, 123 West Madison St., Chicago, IL 60602; Emily Manz.

To develop methods of *organizing* and concentrating the *resources* of all *community agencies* for intensive *counseling* and other rehabilitation *services* to the severely disabled.

RD-561 (60-4).* THE JOB SAMPLE IN VOCATIONAL EVALUATION. Inst. for the Crippled and Disabled, 400 First Ave., New York, NY 10010; Bernard Rosenberg.

To study the efficiency and validity of *job samples*, with special emphasis on those representative of competitive productivity, currently used by vocational evaluation units in rehabilitation centers.

RD-576 (61-1).* CHANGES IN SELF CONCEPT AND PERCEPTIONS OF THE COUNSELOR ROLE AMONG VOCATIONAL REHABILITATION COUNSELING TRAINEES AS A RESULT OF SUPERVISED, ON-THE-JOB TRAINING: A PILOT STUDY. San Francisco State College, 1600 Holloway Ave., San Francisco, CA 94127; Shepard A. Insel, Ph.D., and D. J. Strong, Ph.D.

To examine the *effect* which vocational rehabilitation agency *supervisors* have upon the *self-concept and perceptions* of the *role of the counselor* held by rehabilitation counseling *trainees.*

RD-582 (60-1).* PROCEEDINGS OF THE IOWA CONFERENCE ON PRE-VOCATIONAL ACTIVITIES. State Univ. of Iowa, Iowa City, IA 52240; John E. Muthard, Ph.D.

To conduct a *conference* of investigators engaged in OVR research and demonstration projects in *prevocational evaluation* of disabled individuals in order to examine *practice* in this area and recommend *further research.*

RD-619 (61-2).* WORK TRIAL IN A GENERAL HOSPITAL USING THE TOWER SYSTEM FOR SELECTION OF CLIENTS. Tampa General Hospital, Curtis Hixon Rehabilitation Center, Davis Island, Tampa, FL 33606; Charles Foster.

To demonstrate and evaluate the use of temporary *hospital employment* for disabled persons, selected on the basis of the *Tower system*, as a means of *assessing their work potential* and work *tolerance.*

RD-705 (61-1).* DEVELOPMENT OF RADIO-MYOGRAPHIC PROCEDURE FOR STUDY OF MUSCLE ACTIVITY. Hartford Hospital, Dept. of Physical Medicine, Hartford, CT 06115; Otto Goldkamp, M.D.

To investigate the feasibility of a *radiomyographic* procedure as a means of analyzing *muscle activity* in disabled persons.

RD-710 (61-4).* A THERAPEUTIC COMMUNITY IN REHABILITATION MEDICINE. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Arthur S. Abramson, M.D., Pearl P. Rosenberg, Ph.D., and Bernard Kutner, Ph.D.

To study and *compare* the efficiency in a *hospital setting* of *two methods* of treatment in *restoring disabled* persons to home, work, and community.

RD-746 (61-3).* THE DYNAMICS OF PLACEMENT IN THE VOCATIONAL REHABILITATION PROCESS. Baylor Univ., Waco, TX 76703; E. O. Wood, Ph.D.

To study and *compare* different types of *placement services* in order to determine the most effective placement methods for use by agencies working with the handicapped.

RD-755-P (61-2).* ROLE MODIFICATION OF THE DISABLED MALE WITH IMPLICATIONS FOR COUNSELING. Univ. of Arizona, Tucson, AZ 85721; V. A. Christopherson.

To investigate *role adjustment* and modifications of *physically handicapped men*, with implications for *counseling*.

RD-769-M (61-3).* MICRO-MINIATURE SIGNAL TRANSDUCER DEVELOPMENT. Case Inst. of Technology, University Circle, Cleveland, OH 44106; J. B. Reswick, Sc.D.

To develop and investigate the applicability of *microminiaturized transducer implantation* in muscle tissue of disabled persons as a means of facilitating the study of *muscle behavior*.

RD-788-G (61-3).* REHABILITATION CODES: DEVELOPMENT AND FIELD TESTING OF AN OPERATIONAL TOOL FOR SERIAL RECORDING OF THE REHABILITATION PROCESS. Assn. for the Aid of Crippled Children, 345 East 46th St., New York, NY 10017; Maya Riviere, D.Phil.

To develop and test an operational *statistical code* designed to record all types of *physical impairments*. See also RD-136.

RD-796-G (62-3).* AN INDUSTRIAL COOPERATIVE TRAINING PLAN FOR REHABILITATION CENTER TRAINEES. Bureau of Vocational Rehabilitation, Labor and Industry Bldg., Harrisburg, PA 17121; Joseph V. O'Rourke.

To study the feasibility of *alternate training and job experience* for disabled persons who are receiving concurrent services in a comprehensive *rehabilitation center*.

RD-806-P (62-4).* DEVELOPMENT OF A SYSTEM OF WORK CAPACITY ASSESSMENT FOR THE DISABLED. Stanford Univ. Sch. of Medicine, Stanford, CT 94305; George P. Pauhle, Ph.D.

To develop a *system* for *work evaluation* of the disabled based on an analysis of physiological and psychosocial factors of selected semi-skilled occupations.

RD-807-P (62-3).* AN EXPERIMENT IN THE USE OF TWO PLACEMENT TECHNIQUES WITH A POPULATION OF HARD-TO-PLACE REHABILITATION CLIENTS. Seton Hall Univ., South Orange, NJ 07079; William L. Mooney.

To evaluate two types of vocational *placement techniques* used in assisting hard-to-place clients to acquire employment.

RD-814-P (62-3).* BODY-PART SIZE JUDGMENT. Univ. of Kansas, Lawrence, KS 66045; Franklin C. Shontz, Ph.D.

To study *body-cognitive responses* as a function of a variety of variables including physiological, environmental, intellective, emotional, and attitudinal factors.

RD-827-G (62-4).* VOCATIONAL REHABILITATION IN A VOLUNTARY COMMUNITY HOSPITAL. St. Joseph Mercy Hospital, Ann Arbor, MI 48103; Frederic B. House, M.D.

To study use of *hospital employment*, provided concurrently with rehabilitation services in a voluntary community hospital, as a *means of evaluating vocational potential* of disabled persons.

RD-834-P (62-5).* THE DEVELOPMENT OF PHYSIOLOGICAL AND PSYCHOLOGICAL MEASURES PREDICTIVE OF ADJUSTMENT TO DISABILITY. Human Resources Foundation, Albertson, NY 11507; Henry Viscardi, Jr.

Development of instruments *predicting vocational adjustment* of disabled persons; instruments are based on the assessment of physiological and psychological variables under normal work conditions through the use of special *electronic techniques and standard measurements*..

RD-846-P (62-3).* LANGUAGE HABITS, COGNITIVE FUNCTIONS, AND SELF-ATTITUDES IN THE DEAF. Vanderbilt Univ., Nashville, TN 37203; Jum C. Nunnally, Ph.D.

A study of *cognitive functions and self-attitudes* in the disabled and the relationships of such factors to rehabilitation success.

Spec. rept. *A Collection of Word Association Responses From the Deaf*.

RD-892-P (63-3).* SELF CONCEPT CONDITIONING AND REHABILITATION. Western Behavioral Sciences Inst., 1121 Torrey Pines Road, La Jolla, CA 92037; Edwin G. Aiken, Ph.D.

To investigate the modification of the client's *self-concept* through *operant conditioning* techniques and determine the effectiveness of such changed *attitudes* in vocational adjustment.

RD-896-P (62-2).* THE INFLUENCE OF ORIENTATION UPON ATTITUDES AND PERFORMANCE. Mississippi Southern College, Hattiesburg, MS 39401; Thomas M. Stritch, Ph.D.

To study *self-esteem* as a *function* of successful and unsuccessful *interaction with other persons*; to study the difference in self-esteem of individuals oriented toward self, group task, or social interaction.

RD-951-M (62-2).* VALIDATION OF A METHOD DEVELOPED FOR THE CLASSIFICATION OF THE PHYSICAL,

SOCIAL, EMOTIONAL AND VOCATIONAL CAPACITIES OF THE DISABLED INDIVIDUAL FUNCTIONALLY. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Jack Sokolow, M.D.

To validate a method of *evaluating functional disability* which was previously devised by the university.

RD-1070-P (63-3).* THE EFFECTIVENESS OF UNSTRUCTURED GROUP COUNSELING IN DEVELOPING IN DISABLED PERSONS INSIGHTS AND POSITIVE ATTITUDES. Division of Vocational Rehabilitation, State Office Bldg., 301 West Preston St., Baltimore, MD 21201; W. Bird Terwilliger, Ph.D.

To study the effectiveness of *unstructured group counseling* as a means of improving employability.

RD-1077-P (63-2).* SOURCES OF INTERPERSONAL ANXIETY IN THE PHYSICALLY HANDICAPPED. Catholic Univ. of America, Washington, DC 20017; J. F. Kinnane, Ph.D.

To investigate the interpersonal sources of *anxiety* in the physically handicapped.

RD-1215-G (64-3).* WORK, INC.: A DEMONSTRATION OF PERSONAL ADJUSTMENT AND INTENSIVE PLACEMENT TECHNIQUES WITH DIFFICULT TO PLACE DISABLED PEOPLE IN AN AREA OF HIGH UNEMPLOYMENT INCIDENCE. Division of Vocational Rehabilitation, Room 410, Tallahassee Bldg., 1309 Thomasville Road, Tallahassee, FL 32303; F. H. Echols, Ed.D.

To study the *value* of preemployment *evaluation and personal adjustment training* in the *placement* of hard-to-place disabled persons.

RD-1276-P (64-3).* STRUCTURE OF ATTITUDES TOWARD THE PHYSICALLY DISABLED: DISABILITY FACTOR SCALES -- AMPUTATION, BLINDNESS, COSMETIC CONDITIONS. New York Univ., 401 West 205th St., New York, NY 10034; Jerome Siller, Ph.D.

To validate and standardize a *multidimensional scale* which will *assess attitudes* toward the physically disabled.

RD-1390-P (64-2).* SOCIO-CULTURAL CORRELATES OF PAIN RESPONSE. Univ. of Arizona Sch. of Home Economics, College of Agriculture, Tucson, AZ 85721; Victor A. Christopherson, Ed.D.

An investigation of the individual's perception of pain, the role played by pain in the lives of chronically ill persons, and the *relationship of pain perception to vocational counseling.*

RD-1475-P (64-2).* WORK VALUES OF THE HANDICAPPED. Catholic Univ. of America, Washington, DC 20017; John F. Kinnane, Ph.D., and Antanas Suziedelis, Ph.D.

To develop a measure of work values applicable to the handicapped, describe *patterns of work-value orientation* among the handicapped, and compare value orientations of handicapped vs. nonhandicapped and employed vs. chronically unemployed handicapped.

RD-1490-G (64-2).* FIELD TRIAL OF METHOD DEVELOPED FOR THE CLASSIFICATION OF THE PHYSICAL, SOCIAL, EMOTIONAL, AND VOCATIONAL CAPACITIES OF THE DISABLED INDIVIDUAL FUNCTIONALLY. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Jack Sokolow, M.D.

To field test a method of *functional classification of capacities* of the disabled individual.

RD-1504-M (64-1).* RESEARCH IN USE OF IMPEDANCE PLETHYSMOGRAPY TO STUDY BLOOD FLOW. Dept. of Physical Medicine and Rehabilitation, Univ. of Pennsylvania, Philadelphia, PA 19104; William J. Erdman II, M.D.

A planning grant to examine problems which require resolution before undertaking a large-scale study on *peripheral blood flow* using high-low impedance plethysmography. See also RD-1610.

RD-1518-G (64-3).* MULTIVARIATE ANALYSIS OF THE VOCATIONAL REHABILITATION PROCESS. Alabama Vocational Rehabilitation Agency, State Office Bldg., Montgomery, AL 36104; George M. Hudson.

To study the *rehabilitation process by factor analysis* of data from case records, interviews, and followup.

RD-1536-G (64-1).* A COMPARISON OF CHARACTERISTICS, EDUCATIONAL AND VOCATIONAL EXPERIENCE OF VOCATIONAL REHABILITATION AND NON-VOCATIONAL REHABILITATION STUDENTS IN SELECTED SPECIALTY TRAINING CENTERS: A PLAN FOR STUDY. State Univ. of Iowa, Iowa City, IA 52240; Kenneth B. Hoyt, Ph.D.

To plan a study of *characteristics of DVR and non-DVR students* in selected training centers.

RD-1551-G (65-3).* THE APPLICATION OF COMPREHENSIVE PSYCHO-SOCIAL VOCATIONAL SERVICES IN THE REHABILITATION OF PAROLEES. Minneapolis Rehabilitation Center, 1900 Chicago Ave., Minneapolis, MN 55404; Robert A. Walker.

To demonstrate that *comprehensive* vocational rehabilitation *services provided parolees* will reduce recidivism, enhance vocational stability, and produce measurable changes in attitudes and levels of personal adjustment.

RD-1584-P (65-2).* HOW THE SEVERELY DISABLED CLIENT PERCEIVES PROBLEMS OF DAILY LIVING. Vocational Guidance and Rehabilitation Services, 2239 East 55th St., Cleveland, OH 44103; Robert P. Overs.

To determine how severely disabled clients perceive *problems of daily living* and how disability affects their activities, *attitudes, and family relationships.*

RD-1590-P (65-3).* PERCEPTION OF DISTANCES ON THE BODY. Univ. of Kansas, Lawrence, KS 66045; Franklin C. Shontz, Ph.D.

To study relationships between *body-cognition responses* and certain measures of *personality.*

RD-1591-P (65-2).* CLIENT SOCIAL CLASS IDENTIFICATION IN THE VOCATIONAL REHABILITATION PROCESS. Vocational Guidance and Rehabilitation Services, 2239 East 55th St., Cleveland, OH 44103; Robert P. Overs, Ph.D.

To determine whether vocational rehabilitation is in part a process of *exchanging some lower-class values for some middle-class values.*

RD-1598-P (65-1).* THE MMPI AS A MEASURE OF TREATMENT EFFECTS IN VOCATIONAL REHABILITATION. Minneapolis Rehabilitation Center, 1900 Chicago Ave., Minneapolis, MN 55404; Robert A. Walker.

To investigate the effect of vocational *rehabilitation services and personality* factors on Minnesota Multiphasic Personality Inventory scores.

RD-1603-P (65-3).* THE MEANING OF WORK. New York Univ., New York, NY 10003; Walter S. Neff, Ph.D.

To determine whether a person's *concept of work* affects his work *adjustment.*

RD-1619-P (65-3).* VALIDATION OF THE VOCATIONAL CAPACITY SCALE UTILIZING INSTITUTIONALIZED RETARDATES. Pinecrest State Sch., P.O. Box 191, Pineville, LA 71360; Maurice Dayan, Ed.D., and Coates Stuckey.

To validate the *Vocational Capacity Scale* with institutionalized retardates.

RD-1624-P (65-2). THE PREDICTIVE ASSESSMENT OF THE ADULT RETARDED FOR SOCIAL AND VOCATIONAL ADJUSTMENT: A REVIEW OF RESEARCH. Part 1, Annotated Bibliography. Teachers College, Columbia Univ., 525 West 120th St., New York, NY 10027; Henry V. Cobb, Ph.D.

To prepare a monograph on studies supported by VRA relating to *prediction of social and vocational success* of mental retardates.

RD-1634-P (65-2).* CENTER FOR SOCIAL RESEARCH IN REHABILITATION MEDICINE. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Bernard Kutner, Ph.D.

To investigate the psychosocial aspects of rehabilitation and to examine *potentials of interaction and group processes in reducing* the *consequences of disability.*

Spec. rept. 1. *Disabling Illness and Family Alienation.* 2. *Social Consequences of Long-Term Hospitalization.*

RD-1646-G (64-1).* CLASS, ETHNIC AND RELIGIOUS DIFFERENCES IN ATTITUDES AFFECTING SUCCESS OF VOCATIONAL REHABILITATION IN CENTRAL ARIZONA. Arizona State Univ., Tempe, AZ 85282; Mrs. Naomi Harward.

To develop *methods* for studying class, ethnic, and religious differences in *attitudes affecting success* of vocational *rehabilitation.* See also RD-2005.

RD-1698-G (65-3).* A FOLLOW-UP COUNSELING PROGRAM: A STUDY OF THE INFLUENCE OF CONTINUED COUNSELING ON THE EMPLOYABILITY OF DISABLED WORKSHOP TRAINEES. Jewish Occupational Council, 150 Fifth Ave., New York, NY 10011; Bernard Stern.

To evaluate the influence of *followup counseling* on the *employability* of handicapped clients.

RD-1728-P (66-2).* INVESTIGATION OF CLIENT PRODUCTIVITY AND VERBAL FLUENCY IN INITIAL INTERVIEW. Psychiatric Inst., Univ. of Maryland, Baltimore, MD 21201; Aron W. Siegman, Ph.D.

To investigate the *relationship between* certain aspects of *interviewer and interviewee verbal behavior* during the initial interview.

RD-1741-P (65-3).* CLIENT-COUNSELOR COMPATIBILITY AND THE EFFECTIVENESS OF COUNSELING. Regents of Univ. of California, Berkeley, CA 94720; G. A. Mendelsohn, Ph.D.

To evaluate *client-counselor compatibility* and the effectiveness of the counseling services.

RD-1748-P (65-3).* SELF-DIRECTED SMALL GROUP PROGRAMS: A NEW RESOURCE IN REHABILITATION. Western Behavior Sciences Inst., 1121 Torrey Pines Road, La Jolla, CA 92037; Betty Berzon.

To study the effectiveness of the *self-directed therapeutic group* in vocational rehabilitation and to *provide procedures* for use by vocational rehabilitation counselors. See also RD-2156.

RD-1798-P (65-3).* CLIENT-COUNSELOR COMMUNICATION AND INTERACTION IN COUNSELING WITH THE MENTALLY RETARDED. Univ. of Wisconsin, 415 West Gilman St., Madison, WI 53706; Alfred J. Butler, Ph.D.

To evaluate *client-counselor communication* and interaction in counseling the mentally retarded to *identify critical variables and their correlates* in the counseling process.

RD-1858-G (66-3). SELECTION AND TRAINING OF FOREIGN MEDICAL GRADUATES IN THE UNITIED STATES. Inst. of International Education, 809 United Nations Plaza, New York, NY 10017; Howard A. Rusk, M.D.

To create a supplementary *screening device* for selecting foreign interns and residents; to *compare foreign medical trainees in nonaffiliated* hospitals with those in *university-affiliated institutions*; to conduct a *followup study of residents* who have completed training and returned to their native country.

RD-1879-P (66-2).* ADOLESCENT SYMPTOMATOLOGY AND ITS MEASUREMENT. The Devereaux Schools, Devon, PA 19333; George Spivack, Ph.D.

To develop a reliable means of *describing and communicating* the *problem behavior pattern of atypical adolescents*.

RD-1891-P (66-2).* A QUANTIFIED MULTIPLE-CHOICE ADAPTATION OF THE BENDER-GESTALT TEST. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Alan Frankel, Ph.D.

To develop a *quantified technique* for *assessing perceptual recognition*, using a multiple-choice variation of the Bender-Gestalt Test.

RD-1947-G (66-5). RECRUITMENT AND PLACEMENT OF REHABILITATION COUNSELING PERSONNEL. Natl. Rehabilitation Assn., 1522 K St. N.W., Washington, DC 20005; W. Alfred McCauley.

To establish a nationwide program for the *recruitment and placement* of vocational rehabilitation *counselors*.

RD-1955-G (66-1).* THE GRIFFIS STUDY: DECISION MODELS IN THE DISABILITY DETERMINATION AND REHABILITATION ASSESSMENT. American Rehabilitation Foundation, 1800 Chicago Ave., Minneapolis, MN 55404; Iver A. Iverson.

To develop a *predictive psychological* instrument for use in *evaluating the rehabilitation potential* of applicants for Social Security disability benefits and vocational rehabilitation services.

RD-1971-G (66-3). ROLE AND FUNCTIONS OF REHABILITATION COUNSELORS. Univ. of Florida, Gainesville, FL 32601; John E. Muthard, Ph.D.

To examine the *role and functions* of the *rehabilitation counselor* and develop information that would have implications for rehabilitation counselor training.

RD-1981-G (66-2).* RECRUITMENT AND PUBLIC EDUCATION PROGRAM IN REHABILITATION COUNSELING. Research Foundation of State Univ. of New York, P.O. Box 7126, Albany, NY 12224; Taher A. Razik, Ph.D.

A project to promote *recruitment* of rehabilitation counselors, inform the public about rehabilitation counseling, and *measure the impact* upon the recruitment problem.

RD-2005-P (66-3).* SOCIO-ECONOMIC AND OTHER VARIATIONS RELATED TO REHABILITATION OF MEXICAN-AMERICANS. Arizona State Univ., Tempe, AZ 85281; Mrs. Naomi Harward.

A sociological investigation of variations in *occupational aspirations* of rehabilitants from different socio-economic, religious, and ethnic groups and of the *relationships between aspirations and success* in vocational rehabilitation. See also RD-1646.

RD-2047-P (66-1).* INTRAPERSONAL AND INTERPERSONAL VARIABLES AS PREDICTORS OF SUCCESS IN INDIVIDUALS VERSUS GROUP COUNSELING. Frederic Burk Foundation for Education, San Francisco State College, 1600 Holloway Ave., San Francisco, CA 94132; Ralph M. Rust, Ph.D.

A planning grant to examine the feasibility of studying *intrapersonal and interpersonal factors* as *predictors* of *success* in *group versus individual* counseling.

RD-2052-G (66-1).* A STUDY OF REHABILITATION EDUCATION AS A RECRUITMENT, SELECTION, AND PREPARATION PROGRAM FOR REHABILITATION PERSONNEL. Pennsylvania State Univ., University Park, PA 16802; Kenneth W. Hylbert.

A planning grant to study the effectiveness of the Penn State rehabilitation education curriculum as a *recruitment, selection, and preparation program*.

RD-2071-G (66-1).* DESCRIPTION OF WORKSHOP BEHAVIOR OF OLDER DISABLED WORKERS. Jewish Vocational Service, One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.

A pilot study to test the usefulness of the Workshop Scale of Employability for Handicapped Persons in *assessing* workshop *behavior of older disabled* workers receiving vocational rehabilitation services.

RD-2102-P (66-1).* THE VOCATIONAL INTERESTS, VALUES, AND CAREER DEVELOPMENT OF SPECIALISTS IN PHYSICAL MEDICINE AND REHABILITATION. American Rehabilitation Foundation, 1800 Chicago Ave., Minneapolis, MN 55404; Douglas Fenderson.

To study interests and values of *physiatrists* and to *develop a standardized interest test scoring key* for use in medical schools and guidance settings.

RD-2156-P (66-1).* THE USE OF SMALL GROUPS IN REHABILITATION: NEW DIMENSIONS FOR RESEARCH. Western Behavioral Science Inst., 1121 Torry

Pines Road, La Jolla, CA 92037; Betty Berzon and L. N. Solomon.

To hold a conference to acquaint rehabilitation practitioners with innovative *uses* of the *small group* as a *rehabilitation resource*. See also RD-1748.

RD-2182-P (66-1).* PROFESSIONAL AND CLIENT CHOICES IN CRITICAL SITUATIONS. Schwab Rehabilitation Hospital, 1401 South California Blvd., Chicago, IL 60608; Gloria L. Leviton, Ph.D.

To investigate *conflicting views*, as well as agreement, between *professionals and clients* in *situations critical to the client* and to determine conditions underlying these views. See also RD-3105.

RD-2202-G (67-4). INTENSIVE FOLLOW-UP SERVICES FOR MARGINAL WORKERS. Arkansas Rehabilitation Service, 211 Broadway, Little Rock, AR 72201; D. W. Wardlow.

To demonstrate that the provision of *intensive followup services* to selected vocational rehabilitation clients subsequent to selective placement will enable them to retain their employment.

RD-2314-G (67-5). RESEARCH ON METHODS OF CONTINUING EDUCATION FOR REHABILITATION COUNSELORS. College of Education, Univ. of Iowa, Iowa City, IA 52240; Dr. Leonard A. Miller.

A project to do programmatic research on *inservice training* needs of State agency *supervisors and counselors* and to develop and test inservice training methods.

RD-2327-G (67-5). MULTIVARIATE PREDICTION AS A REHABILITATION TOOL. Alabama Vocational Rehabilitation Agency, 2129 East South Blvd., Montgomery, AL 36111; George M. Hudson.

A project to test a system of *computer prediction* of rehabilitation outcome using multivariate analysis as a *counselor tool*.

RD-2356-P (67-3). PATIENT SOCIAL STRUCTURE. Western Reserve Univ., Cleveland, OH 44106; Richard O'Toole, Ph.D.

To study how small *informal patient groups affect* the *rehabilitation process* in a chronic illness hospital.

RD-2379-P (67-2).* THE INFLUENCE OF INTERPERSONAL SITUATIONS ON RESPONSE MODES. Catholic Univ. of America, Washington, DC 20017; John F. Kinnane, Ph.D., Maurice Lorr, Ph.D., and Antanas Suziedelis, Ph.D.

To identify *interpersonal situations* which evoke *responses*, examine the influence on response modes of specific agents, and *develop instruments* to *evaluate* various aspects of interpersonal *interaction*.

RD-2380-P (67-2).* WORK INHIBITION AND REHABILITATION. *Part II: Psychosocial Correlates of Work Inhibition and Part III: Experimental Treatment of Self-Direction in Work-Inhibited Clients*. See RD-1833 for Part I. Inst. for Community Studies, 2300 Holmes St., Kansas City, MO 64108; D. W. Tiffany, Ph.D.

A study of the *social-psychological* roles and *self-conceptions* of the *unemployed*.

RD-2419-G (67-1). THE SELF CONCEPT AS A VARIABLE IN VOCATIONAL REHABILITATION. Nashville Mental Health Center, 2410 White Ave., Nashville, TN 37204; William H. Fitts, Ph.D.

Programmatic research on the *self-concept* and how it relates to the vocational rehabilitation process.

RD-2426-G (67-2). A STUDY OF FACTORS ASSOCIATED WITH SUCCESSFUL GROUP COUNSELING FOR THE REHABILITATION OF OFFENDERS. Univ. of Maryland, College Park, MD 20742; George L. Marx, Ph.D.

To study the relationship between *client and counselor traits* and success in *group and individual* counseling utilizing probationers and probation officers.

RD-2464-P (67-2). THE EXPERIMENTAL MODIFICATION OF BEHAVIOR-RELEVANT ATTITUDES. Colorado State Univ., Fort Collins, CO 80521; Charles W. Cole, Ph.D., and E. R. Oetting, Ph.D.

To study the effects of a *counselor's verbal behavior* on a *client's attitude* toward personal and nonpersonal concepts of major importance to behavior.

RD-2465-P (67-3). PROGRAMMED INTERPRETATION OF PSYCHOLOGICAL TESTS BY COMPUTER. Univ. of Kentucky Research Foundation, Lexington, KY 40506; Charles D. Auvenshine, Ph.D.

To develop an objective, automatic method of *interpreting psychological tests by electronic digital computer*.

RD-2505-G (68-5). SELECTION OF STUDENTS FOR ORTHOTIC-PROSTHETIC TRAINING PROGRAMS. Attending Staff Assn., Los Amigos Hospital, 12826 Hawthorne St., Downey, CA 90242; Carolyn Wetmore, Ph.D.

To define and apply a method of *selecting applicants for orthotic-prosthetic education* at various institutions of higher learning. See also RD-1783.

RD-2509-G (68-1).* A STUDY OF THE EFFECTIVENESS OF REHABILITATION COUNSELORS AS RELATED TO THEIR LEVEL AND TYPE OF EDUCATION. Rehabilitation Center, College of Education, Univ. of Arizona, Tucson, AZ 85721; B. G. Johnson, Ph.D.

A pilot project to study the relationship between the *educational background* of rehabili-

tation counselors and their *effectiveness* in working in State agencies.

RD-2510-G (68-1).* PROCEEDINGS: COMMUNICATION, DISSEMINATION, AND UTILIZATION OF RESEARCH INFORMATION IN REHABILITATION COUNSELING. Springfield College, 283 Alden St., Springfield, MA 01109; Dr. Henry Paar.

To plan and conduct a *conference* related to researchable problems in *rehabilitation counseling* and to publish the proceedings.

RD-2536-P (68-1).* DISABLED FAMILIES. Univ. of Pennsylvania, Philadelphia, PA 19104; Samuel Z. Klausner, Ph.D.

To study the *relationships* which develop between the *mentally retarded and physically disabled homebound* and those who care for them, and how these relationships *promote or retard rehabilitation.*

RD-2611-G (68-3). EFFECTS OF GROUP THERAPY WITH RELATIVES ON THE REHABILITATION POTENTIAL OF CLIENTS. Delgado Rehabilitation Center, Delgado College, 615 City Park Ave., New Orleans, LA 70119; John P. Galloway.

To evaluate the effect on *rehabilitation potential* of clients whose relatives have engaged in *group therapy.*

RD-2662-P (68-3). INTEGRATION OF THE DISABLED INTO THE COMMUNITY. New York Univ., Washington Square, New York, NY 10003; Jerome Siller, Ph.D.

To conduct programmatic research on *attitudes toward the disabled* and to utilize this information to gain greater community acceptance for the disabled.

RD-2757-P (68-1). A COMPARATIVE STUDY OF THE SOCIALIZATION OF THE STIGMATIZED IN COMPLEX ORGANIZATIONS. Trustees of Princeton Univ., New South Bldg., P.O. Box 36, Princeton, NJ 08540; Robert A. Scott, Ph.D.

A pilot study to determine the feasibility of undertaking a full-scale comparative study of the *socialization of stigmatized people* in rehabilitation settings.

RD-2775-M (68-1). THE SELF-CARE PROFILE: A QUANTITATIVE ASSESSMENT OF ADL DEPENDENCE. Univ. of Rochester, River Campus Station, Rochester, NY 14627; Lauro S. Halstead, M.D.

A pilot study to evaluate the Self-Care Profile as a *measure* of the quantitative and qualitative level of *self-care dependence* of patients at home after discharge from a Rehabilitation Unit.

RD-3035-M (69-2). A STUDY OF REHABILITATION POTENTIAL IN ARTHRITIS THROUGH PROGRAMMED ANALYSIS. The George Washington Univ., Washington, DC 20006; Thomas McP. Brown, M.D., and William R. Felts, M.D.

To enhance the recognition of *rehabilitation potential* in arthritis through programmed *analysis.*

RD-3126-M (69-5). A WORK TOLERANCE EVALUATION RESEARCH AND TRAINING UNIT FOR A CARDIAC REHABILITATION PROGRAM. Texas Inst. for Rehabilitation Research, 1333 Moursund Ave., Houston, TX 77025; David Cardus, M.D.

To establish a *work tolerance* evaluation unit in support of a *cardiac* rehabilitation program.

RC-16-P (64-1).* A VOCATIONAL REHABILITATION STUDY OF PRISONERS, PROBATIONERS AND PAROLEES. Emory Univ., Atlanta, GA 30322; Karl D. Brewer, Ph.D.

To study the *characteristics* of *prisoners and probationers* who are likely to provide background data, insights, and guides for the development of a more effective rehabilitation program.

XVIII. INTERNATIONAL EXCHANGE OF INFORMATION

RD-184 (57-1).* PLANNING FOR VICTORY OVER DISABLEMENT. Internatl. Society for the Welfare of Cripples, 701 First Ave., New York, NY 10017; D. V. Wilson.

To further the development of technical skills and knowledge through the exchange of information concerning rehabilitation--*Seventh World Congress*, London, 1957.

RD-280 (58-7).* REHABILITATION AND PHYSICAL MEDICINE, Vols. I--VIII, 1958-1965. Excerpta Medica Foundation, 2 East 103rd St., New York, NY 10029; Peter A. Warren.

To *abstract worldwide publications* and reports in the field of rehabilitation and to publish this information periodically. See also RD-2184-G.

RD-296 (58-1).* CONQUERING PHYSICAL HANDICAPS. Internatl. Society for the Welfare of Cripples, 701 First Ave., New York, NY 10017; D. V. Wilson.

To further the development of technical skills and knowledge through the exchange of information concerning rehabilitation--*Pan-Pacific Conference*, 1958.

RD-397 (59-2).* REHABILITATION FOR WORLD PEACE. Internatl. Society for the Welfare of Cripples, 701 First Ave., New York, NY 10017; D. V. Wilson.

To further the development of technical skills and knowledge through the exchange of information concerning rehabilitation--*Eighth World Congress*.

RD-420 (59-2).* PROCEEDINGS OF THE THIRD INTERNATIONAL CONGRESS OF PHYSICAL MEDICINE. American Congress of Physical Medicine and Rehabilitation, 30 North Michigan Ave., Chicago, IL 60602; Walter J. Zeiter, M.D.

To further the development of technical knowledge through the exchange of information concerning rehabilitation--*Third International Congress of Physical Medicine*, 1960.

RD-536 (60-6).* WORLD COMMISSION ON RESEARCH IN REHABILITATION: FINAL REPORT ON ACTIVITIES 1959-66. Internatl. Society for the Rehabilitation of the Disabled, 701 First Ave., New York, NY 10017; D. V. Wilson.

To establish a *World Commission on Research in Rehabilitation* to (1) study the current status of rehabilitation research in all countries, and (2) stimulate international rehabilitation research.

Spec. rept. *Services for Handicapped Youth in England and Wales*.

RD-660 (60-1).* ANNUAL REPORT, 1960-61. Committee for the Handicapped, People-to-People Program, 1218 New Hampshire Ave. N.W., Washington, DC 20006; Winfield S. Smith III.

To develop program information on *international cooperation* for vocational rehabilitation.

RD-972-G (62-6).* WORLD COMMISSION ON VOCATIONAL REHABILITATION. Internatl. Society for Rehabilitation of the Disabled, 701 First Ave., New York, NY 10017; John A. Nesbitt.

To establish a *World Commission on Vocational Rehabilitation* to (1) collect and disseminate information on employment of the handicapped throughout the world, and (2) stimulate interest in protective training and employment for those disabled persons who are not readily absorbed into competitive employment.

Spec. rept. *Training and Planning: Proceedings of the International Seminar on Vocational Rehabilitation*.

RD-1032-G (62-3).* INTERNATIONAL COOPERATION FOR VOCATIONAL REHABILITATION THROUGH THE SISTER CITY PROGRAM. Committee for the Handicapped, People-to-People Program, 1218 New Hampshire Ave. N.W., Washington, DC 20006; Frank H. Krusen, M.D.

To demonstrate the value of *international cooperation* in the exchange of vocational rehabilitation information through the *"sister city"* program. See also RD-2048.

RD-1141-M (63-2).* Final report in 2 vols. 1. TRANSACTIONS OF THE THIRD INTERNATIONAL CONGRESS OF PLASTIC SURGERY. 2. THIRD INTERNATIONAL CONGRESS OF PLASTIC SURGERY: ABSTRACT OF PAPERS. Third Internatl. Congress of Plastic Surgery, 217 Linwood Ave., Buffalo, NY 14209; L. H. Backus, M.D.

To present recent *research and clinical advances*, establish better communication, and stimulate an *international approach* to problems of rehabilitation through *plastic and reconstructive procedures*.

RD-1420-S (64-1).* PROCEEDINGS OF THE WORLD ASSEMBLY OF THE WORLD COUNCIL FOR THE WELFARE OF THE BLIND. American Foundation for Overseas Blind, 22 West 17th St., New York, NY 10011; Eric T. Boulter.

To further the development of technical skills and knowledge through exchange of information concerning rehabilitation--1964 *World Assembly* of the *World Council for the Welfare of the Blind*.

RD-1422-M (64-3).* INTERNATIONAL PROSTHETICS INFORMATION SERVICE PROJECT. Internatl. Society for Rehabilitation of the Disabled, 701 First Ave., New York, NY 10017; Donald V. Wilson.

To collect *literature on research* and its practical application to the field of *prosthetics, orthotics, and technical aids* to provide a basis for coordination among researchers in the

field and to standardize devices and techniques on an international basis.

RD-1430-G (64-3).* DEVELOPMENT OF AN INTERNATIONAL COMMISSION ON VOCATIONAL REHABILITATION IN MENTAL RETARDATION. Assn. for the Aid of Crippled Children, 345 East 46th St., New York, NY 10017; Gunnar Dybwad, J.D.

To establish an *International Commission* on vocational rehabilitation of the *mentally retarded*.

RD-2048-G (66-1).* DIRECTORY OF ORGANIZATIONS INTERESTED IN THE HANDICAPPED. Committee for the Handicapped, People-to-People Program, 1218 New Hampshire Ave. N.W., Washington, DC 20036; Frank H. Krusen, M.D.

To evaluate the previous People-to-People sister city project and revise, update, reissue, and distribute the *Directory of Federal and Private Agencies Working With or for the Handicapped in the United States*. See also RD-1032.

RD-2184-G (66-5).* REHABILITATION AND PHYSICAL MEDICINE, Vol. IX, 1966; Vol. X, 1967. Excerpta Medica Foundation, 2 East 103rd St., New York, NY 10029; Peter A. Warren.

To *abstract worldwide publications* and reports in the field of rehabilitation and to publish this information periodically. See also RD-280.

RD-2293-G (67-3). INTERNATIONAL RESEARCH DEVELOPMENT. Internatl. Society for Rehabilitation of the Disabled, 219 East 44th St., New York, NY 10017; Mrs. Dorothy Warms.

To *stimulate* and encourage, internationally, needed *research* in all fields of *rehabilitation* and to explore ways of *shortening the timelag* between completion of research and its practical application.

RD-2297-G (67-3). INTERNATIONAL REHABILITATION PROGRAM DEVELOPMENT. Internatl. Society for Rehabilitation of the Disabled, 219 East 44th St., New York, NY 10017; Charles Kalisky.

To demonstrate the effectiveness of an *international rehabilitation* program service in *functional areas* (vocational, social, educational, etc.) as well as the effectiveness of an international *information service*.

RD-2607-G (67-5). SOVIET ATTITUDES AND ACHIEVEMENTS IN DISABILITY AND REHABILITATION. Regent of Univ. of California, Campus Research Office, 250 Sproul Hall, Berkeley, CA 94720; Stephen P. Dunn, Ph.D., and Ethel D. Dunn.

To develop a sociological concept of disability and rehabilitation practices in the Soviet Union and to *publish a periodic report* of translations of *Soviet rehabilitation literature*.

RD-2696-G (68-3). DISABLED PROFESSIONALS INTERNATIONAL. Committee for the Handicapped, People-to-People Program, 1218 New Hampshire Ave. N.W., Washington, DC 20036; Frank N. Krusen, M.D.

To develop a program of *information dissemination and exchange* aimed at encouraging disabled *professional persons* in the United States and abroad to continue to use their skill and knowledge in a useful way, with the ultimate objective of operating an information clearinghouse.

RD-35 (55-3).* SOME SOCIAL FACTORS IN JOB PLACEMENT AND COMMUNITY LIFE OF THE HANDICAPPED. Adelphi College, South Ave., Garden City, NY 11533; E. Louis Ware, Ph.D.

To study the *effect* of social and community *factors* on *job placement* and tenure of handicapped workers in two industrial plants.

RD-63 (56-2).* THE VOCATIONAL REHABILITATION PROBLEMS OF DISABLED PUERTO RICANS IN NEW YORK CITY. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To explore the special *problems* involved in the vocational rehabilitation of *disabled Puerto Ricans* living in the *United States*.

RD-75 (57-1).* MEETING SERVICE, TRAINING, AND RESEARCH NEEDS FOR A COMPREHENSIVE REHABILITATION PROGRAM IN A UNIVERSITY. Univ. of Florida, Gainesville, FL 32603; Darrel J. Mase, Ph.D.

To demonstrate a *university* organizational *plan* for a comprehensive *rehabilitation program based on training, research, and service*.

RD-117 (57-2).* A STUDY OF THE ADAPTABILITY OF DISABLED WORKERS. Human Resources Foundation, Division of Abilities, Albertson, NY 11507; Henry Viscardi, Jr.

To expand *job opportunities* for the disabled by demonstrating on the job that *disabled people* can successfully utilize *complex production machinery*.

RD-328 (58).* A FOLLOW-UP STUDY OF PATIENTS DISCHARGED FROM A COMMUNITY REHABILITATION CENter. Hartford Rehabilitation Center, 2 Holcomb St., Hartford, CT 06112; David Komisar, Ph.D.

To evaluate the maintenance of individual patient *gains after discharge* from a community rehabilitation *center* in relation to maximum vocational, social, personal, and psychological *adjustment*.

RD-391 (59-4).* THE SUCCESS OF A REHABILITATION PROGRAM: A FOLLOW-UP STUDY OF CLIENTS OF THE VOCATIONAL ADJUSTMENT CENTER. Jewish Vocational Service, One South Franklin St., Chicago, IL 60606; Asher Soloff.

To identify *needs for research* into *emotional and psychological factors* involved in the vocational rehabilitation and adjustment of the emotionally, physically, and mentally handicapped.

RD-463 (59-3).* ATTITUDES TOWARD DISEASE AND DISABILITY, HEALTH AND HYGIENE, AND RESTORATIVE MEDICINE IN PAST AGES. Baylor Univ. College of Medicine, Houston, TX 77025; Hebbel E. Hoff, M.D.

To identify *historical cultural factors* which contribute to our present knowledge and understanding of *attitudes* toward disability.

RD-499 (61-5).* EXPLORATORY AND EVALUATION RESEARCH IN THE VOCATIONAL ADJUSTMENT OF THE HANDICAPPED. Human Resources Foundation, Division of Abilities, Albertson, NY 11507; Henry Viscardi, Jr.

To identify needs for *research* into the *vocational adjustment* of the handicapped in an *industrial setting*.

RD-540 (60-2).* THE ECONOMIC POSITION OF DISABLED WORKERS, AND THEIR FUTURE PROSPECTS. Commercial ed. *Income and Welfare in the United States*. Univ. of Michigan, Ann Arbor, MI 48106; J. M. Morgan, Ph.D.

A study to determine economic, vocational, and other *characteristics* of *disabled persons* in a family life survey.

RD-558 (60-2).* DEVELOPING A COMPREHENSIVE REHABILITATION CENTER. Woodrow Wilson Rehabilitation Center, Fishersville, VA 22939; James D. Beaber, Ed.D.

To identify and study factors related to the more effective *use of comprehensive rehabilitation facilities* by public and private agencies.

RD-580 (60-1).* PSYCHOLOGICAL RESEARCH AND REHABILITATION. American Psychological Assn., 1333 16th St. N.W., Washington, DC 20010; Erasmus L. Hoch.

To identify new *research areas* and to translate present research knowledge from *psychology* to the field of *vocational rehabilitation*.

RD-707 (61-3).* ATTITUDES OF THE NONDISABLED TOWARD THE PHYSICALLY DISABLED. New York College of Engineering, 401 West 205th St., New York, NY 10034; Jerome Siller, Ph.D.

To study the effects of *ego factors* in the *personality* of the nondisabled in reaction to the physically disabled.

RD-741 (61-3).* A STUDY OF BIOPHYSICS OF MICROWAVE ENERGY AS A BASIS FOR ITS THERAPEUTIC APPLICATION AND AS A BASIS FOR CONTROL OF HAZARDS ASSOCIATED WITH THE CIVILIAN AND MILITARY USE OF HIGH ENERGY RADAR BEAMS. Univ. of Washington Sch. of Medicine, Seattle, WA 98105; J. F. Lehmann, M.D.

To investigate the therapeutic effects and hazards associated with *microwave energy* and its implications for rehabilitation.

RD-751-P (61-1).* PLANNING FOR A STUDY OF DISABILITIES IN SELECTED NEGRO MULTIPROBLEM FAMILIES AND THE ROLE OF A MUNICIPAL INTERDEPARTMENTAL CENTER IN REHABILITATION. Interdepartmental Neighborhood Service Center, 145 West 125th St., New York, NY 10027; Mrs. Lillian C. Lampkin.

To plan a study which will identify the physical, emotional, and mental *disability factors in the adjustment* of multiproblem families and define the *role* of an *interdepartmental service* in the rehabilitation of such individuals.

RD-768-G (61-3).* A DEVICE TO MEASURE PRESSURE DISTRIBUTION BETWEEN THE HUMAN BODY AND VARIOUS SUPPORTING SURFACES. Case Inst. of Technology, University Circle, Cleveland, OH 44106; J. B. Reswick, Sc.D.

To design and develop special *devices* for measuring the distribution of *external pressure on body surfaces* for use in physiological and other studies of the disabled, particularly the nonambulatory.

RD-786-G (61-4).* COOPERATIVE UNIVERSITY-COMMUNITY AGENCY RESEARCH IN THE VOCATIONAL REHABILITATION OF THE HANDICAPPED. Marquette Univ., 615 North 11th St., Milwaukee, WI 53203; Walter J. Johannsen, Ph.D.

To identify and study rehabilitation *service, research, and training needs* in a coordinated university-multicommunity agency *cooperative program.*

RD-856-G (62-3).* ARCHITECTURAL BARRIERS STATEWIDE INVESTIGATION. Minnesota Society for Crippled Children and Adults, 2004 Lyndale Ave. South, Minneapolis, MN 55405; W. B. Schoenbohm.

To study and identify in several Minnesota localities *architectural barriers* which prevent disabled persons from full participation in community life.

Film. *Sound the Trumpets.*

RD-905-G (62-3).* COMMUNITY INVENTORY OF ARCHITECTURAL BARRIERS TO THE HANDICAPPED. Natl. Society for Crippled Children and Adults, 2023 West Ogden Ave., Chicago, IL 60612; Thomas A. Stein, Ph.D.

To study the extent of *architectural barriers* to the handicapped and *develop information* for *use by communities* in improving the accessibility of buildings to the disabled.

RD-1138-G (63-2).* RESPONSE AND NON-RESPONSE TO THE OFFER OF REHABILITATION SERVICES. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Harry D. Karpeles.

To identify and analyze factors which determine why individuals *accept or reject* the offer of rehabilitation *services.*

RD-1240-G (64-1).* VOCATIONAL REHABILITATION IN JUVENILE DELINQUENCY: A PLANNING PROGRAM. Vocational Rehabilitation Division, State Capitol Station, Oklahoma City, OK 73105; James A. West.

To study the rehabilitation requirements of *juvenile delinquents* and to determine the *role of a State vocational rehabilitation agency* in meeting these needs. See also RD-1855.

RD-1263-G (64-1).* UTILIZATION OF APPLICABLE RESEARCH AND DEMONSTRATION RESULTS. Human Interaction Research Inst., Kirkeby Center, Suite 610, Los Angeles, CA 90024; E. M. Glaser, Ph.D.

To study methods of facilitating the *utilization of rehabilitation research* results by public and private rehabilitation agencies.

RD-1340-P (63-1).* VOCATIONAL SERVICES FOR SEVERELY HANDICAPPED ADULTS IN A RESIDENTIAL THERAPEUTIC WORK SETTING. Crippled Children's Sch., Seventh Ave. Northwest, Jamestown, ND 45335; Anne H. Carlsen, Ph.D.

To plan a demonstration of *vocational services* for severely handicapped *adults* in a *residential therapeutic work setting.*

RD-1372-P (64-5).* SENSORY AND SENSIMOTOR PROCESSES IN DISABILITY. New York Medical College, One East 106th St., New York, NY 10029; Milton Lowenthal, M.D.

Research applying the techniques and concept of experimental and physiological *psychology* to an understanding of processes contributing to *physical disability: a study of reasons for varying responses* of different patients to the same disease process, differences in disablement by pain, stiffness, or central nervous system damage. See also RD-1196.

RD-1439-G (64-1).* VOCATIONAL REHABILITATION NEEDS OF DISABLED PUERTO RICANS IN NEW YORK CITY. Puerto Rican Social Services, Hotel Commodore, 109 East 42nd St., New York, NY 10017; Ralph W. Whelan.

Pilot study of vocational rehabilitation needs of *Puerto Ricans* of employable age.

RD-1508-M (64-3).* THE STUDY OF EVOKED AFFERENT NERVE POTENTIALS AND DIFFERENTIAL RATES OF CONDUCTION. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Joseph Goodgold, M.D.

To study the *electrophysiological characteristics* of *evoked peripheral nerve potentials* in animals and normal human beings as well as in individuals with peripheral neuropathy of varied causes, and to correlate these findings with diagnosis, prognosis, and therapeutic procedures in human beings with various disorders of the peripheral nervous system.

RD-1553-G (65-5).* VOCATIONAL REHABILITATION SERVICES IN A CONCERTED SERVICES PROJECT. Contra Costa Council of Community Services,

1323-B Locust St., Walnut Creek, CA 94596; Calvin B. Davis.

To demonstrate effectiveness of *local community action* in identifying and assisting *disabled persons* within the framework of a *concerted service* effort in a *low-income housing area*. See also RD-1310.

Spec. rept. *Changing Expectations: A Program of Rehabilitation for the Psycho-Socially Disabled.*

RD-1568-M (65-3).* SURGICAL AND SOCIAL REHABILITATION OF ADULT OFFENDERS. (2 vols. in 1). 1. The Project: A Three-Year Experimental Investigation. 2. Proceedings of the Montefiore Conference on Correctional Plastic Surgery. Montefiore Hospital and Medical Center, 111 East 210th St., Bronx, NY 10467; Sol Chaneles, Ph.D., Hans Abeles, M.D., and Michael L. Lewin, M.D.

To evaluate effectiveness of *plastic surgery* and social-vocational *counseling* in postrelease period for relatively *short-term offenders* who were inmates of a correctional institution.

Spec. rept. 1. *Surgical and Social Rehabilitation of Adult Offenders: Annual Report*, July 1967. 2. *Guidelines for Plastic Surgery Programs in Corrections.*

RD-1638-G (65-1).* THE GREAT LAND. Film. Division of Vocational Rehabilitation, Box 2568, Juneau, AK 99801; Carroll M. Craft.

To plan a project for *rehabilitation* of those *disabled* as a result of the *earthquake disaster*. See also RD-1661.

RD-1651-G (65-2).* THE DEVELOPMENT AND EFFECTS OF AN INEXPENSIVE ELEVATOR FOR ELIMINATING ARCHITECTURAL BARRIERS IN PUBLIC BUILDINGS. Hofstra Univ., Hempstead, NY 11550; Harold E. Yuker, Ph.D.

To develop an *inexpensive elevator* to *eliminate architectural barriers* in public buildings.

Film. *All Things on Wheels Aren't Equal.*

RD-1671-G (65-1).* THE TRAINING AND UTILIZATION OF THE HANDICAPPED IN MEDICAL LABORATORIES. Natl. Committee on Careers in Medical Technology, 1785 Massachusetts Ave. N.W., Washington, DC 20036; Robert C. Horn, Jr., M.D.

To plan a project on the *training and utilization* of the handicapped in *medical laboratories*. See also RD-1953.

RD-1684-G (65-1).* SOCIOLOGY AND REHABILITATION. American Sociological Assn., 1755 Massachusetts Ave. N.W., Washington, DC 20036; Gresham D. Sykes, Ph.D.

To hold a *conference* centered around foundation papers concerned with the contribution of *sociology* to the *field of vocational rehabilitation.*

RD-1688-P (65-1).* FEEDBACK AND CONTROL SYSTEMS IN SPATIALLY ORIENTED BEHAVIOR. Inst. for Psychological Research, Tufts Univ., Medford, MA 02115; Sanford J. Freedman, Ph.D.

To develop *techniques and methods of measurement* for control systems and feedback in *spatially oriented behavior* with reference to vocational rehabilitation problems. See also RD-1890; RD-2092.

RD-1733-P (65-3).* EXPERIMENTAL PAIN PARAMETERS AND PAIN PERCEPTION AS PREDICTIVE INDICES FOR REHABILITATION. New York Univ. Sch. of Medicine, 550 First Ave., New York, NY 10016; B. Berthold Wolff, Ph.D.

To study the relationship between measures of *experimental pain tolerance and the prediction of rehabilitation success* with disabled *rheumatoid arthritic patients.*

RD-1739-G (65-1).* ESTABLISHING A JOINT COMMISSION ON CORRECTIONAL MANPOWER AND TRAINING. Natl. Council on Crime and Delinquency, 44 East 23rd St., New York, NY 10010; Charles S. Prigmore, Ph.D.

To plan a joint *Commission on Correctional Manpower and Training*; to test that (1) corrections is a field identified with vocational rehabilitation, and (2) vocational rehabilitation can bring together various disciplines and professions in the field of corrections.

RD-1754-G (65-1).* PLANNING THE APPLICATION OF INDUSTRIAL DESIGN TO THE VOCATIONAL REHABILITATION FIELD. Rhode Island Sch. of Design, Providence, RI 02903; Marc S. Harrison.

To plan for the greater *application of industrial design* to the vocational rehabilitation field. See also RD-2173.

RD-1756-G (65-2).* A NATIONAL EXAMINATION OF REHABILITATION CONCEPTS AND RESOURCES IN PLANNING FOR COMMUNITY HEALTH SERVICES. Natl. Commission on Community Health Services, 7815 Old Georgetown Road, Bethesda, MD 20014; Dean W. Roberts, M.D.

To examine national rehabilitation *concepts and resources needed in planning for community health services.*

Spec. rept. *Health is a Community Affair.*

RD-1829-G (66-2).* ELIMINATION OF ARCHITECTURAL BARRIERS TO THE HANDICAPPED AND AGING. Natl. Society for Crippled Children and Adults, 2023 West Ogden Ave., Chicago, IL 60612; Donald E. Fearn.

To conduct *action-oriented programs* at State and local levels to *eliminate and prevent architectural barriers* which deny to the physically handicapped and aging access to public buildings and facilities.

RD-1840-G (65-2).* EUREKA DISASTER PROJECT: PROVISION OF EMERGENCY AND RECONSTRUCTIVE REHABILITATION SERVICES FOLLOWING WIDESPREAD DISASTER RESULTING FROM FLOODS. Dept. of Rehabilitation, 1500 Fifth St., Sacramento, CA 95814; Mrs. Janet W. Pence.

To explore new methods of providing *emergency* rehabilitation services through *use of rehabilitation aides and industrial consultants to meet disaster-created problems*.

RD-1852-G (66-2).* A STUDY TO DEMONSTRATE THE PRACTICABILITY AND METHODOLOGY OF TEACHING DRIVING TO THE PHYSICALLY DISABLED HIGH SCHOOL STUDENT. Los Angeles City Board of Education, 450 North Grand Ave., Los Angeles, CA 90012; Joseph Reynolds.

To demonstrate the *practicability* of and *develop* the best *methodology* for *teaching automobile driving to physically disabled high school students*.

RD-1855-G (66-3).* A COOPERATIVE PROGRAM FOR THE ALLEVIATION OF JUVENILE BEHAVIOR PROBLEMS. State Dept. of Education, State Capitol Bldg., Oklahoma City, OK 73105; Glen K. Wallace.

To demonstrate the effect of *coordinating services* of a welfare department, the DVR, juvenile court probation office, and the public school system on the reduction of *juvenile delinquency*. See also RD-1240.

RD-1949-G (66-5). EXPLORATORY AND EVALUATIVE RESEARCH IN THE VOCATIONAL ADJUSTMENT OF THE HANDICAPPED. Human Resources, Albertson, NY 11507; Henry Viscardi, Jr.

To conduct exploratory and evaluative research in the *vocational adjustment* of the handicapped.

RD-1953-G (66-3). CAREER OPPORTUNITIES FOR THE DISABLED IN MEDICAL LABORATORIES. Natl. Committee for Careers in Medical Technology, 1785 Massachusetts Ave. N.W., Washington, DC 20036; Robert C. Horn, Jr., M.D.

To demonstrate how the *shortage* of suitably trained *medical laboratory workers* can be alleviated by appropriately trained disabled persons. See also RD-1953.

RD-1968-G (65-1).* URBANIZATION AND WORK IN MODERNIZING SOCIETIES: A WORKING PAPER. College of the Virgin Islands, St. Thomas, VI; James M. Blaut, Ph.D.

To plan for an *international symposium* on the application of *social science research* to vocational rehabilitation. See also RD-2483.

RD-1985-G (66-3).* THE EFFECTS OF PREVOCATIONAL ASSESSMENT AND VOCATIONAL EXPLORATION WITH INTENSIVE COMMUNITY FOLLOW-THROUGH ON A REPRESENTATIVE SAMPLE OF THE MENTALLY RETARDED AND JUVENILE DELINQUENT RESIDENTS OF THE DISTRICT OF COLUMBIA CHILDREN'S CENTER. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; Lewis P. Hartman.

To develop and test a *vocationally oriented* program of rehabilitation services tailored to the needs of a group of *socially deprived, mentally retarded, and emotionally disturbed* persons in a State institution. See also RD-1808.

RD-2038-M (67-1).* CLINICAL RESEARCH IN USE OF IMPEDANCE PLETHYSMOGRAPHY APPLIED TO CONDITIONS COMMONLY ENCOUNTERED IN MEDICAL REHABILITATION. Univ. of Pennsylvania, Sch. of Medicine, Philadelphia, PA 19104; William J. Erdman II, M.D.

To continue the use of *high impedance plethysmography* in order to study *peripheral and central blood flow* in patients needing rehabilitation during treatment with such physical therapeutic agents as heat, cold, physiotherapy, and deep friction massage.

RD-2076-G (66-1).* RISK AND REHABILITATION: A STUDY OF THE FIDELITY BONDING OF FORMER OFFENDERS. Inst. for Study of Crime and Delinquency, 605 Crocker-Citizens Bank Bldg., Sacramento, CA 95814; Alfred N. Himelson.

A planning grant to study *fidelity bonding* of former *offenders* as an adjunct to rehabilitation services.

RD-2085-G (66-1).* AN EXPLORATION OF THE ADVISABILITY OF DEVELOPING A RESEARCH AND DEMONSTRATION PROJECT CONCERNED WITH ELEVATING THE READINESS FOR VOCATIONAL REHABILITATION OF MULTIPLY-DISABLED YOUNG ADULTS. Young Adult Inst. and Workshop, 109 Eighth Ave., Brooklyn, NY 11215; Bert MacLeech, Ed.D.

A pilot study to explore the feasibility of developing a project concerned with *elevating the readiness* for vocational rehabilitation of *multiple disabled young adults*.

RD-2089-G (66-3). VOCATIONAL REHABILITATION IN AN ECONOMICALLY DEPRESSED AREA. State Dept. of Rehabilitation, 1500 Fifth St., Sacramento, CA 95814; Andrew Marrin.

To demonstrate the value of an *all-out rehabilitation attack* in a culturally, socially, and economically deprived area.

RD-2141-M (67-5). MEASUREMENT OF CARDIAC AND RESPIRATORY RESPONSES IN PHYSICALLY DISABLED AND NON-DISABLED GROUPS. Human Resources, Albertson, NY 11507; Henry Viscardi, Jr.

To study the *cardiac and respiratory responses* of disabled persons to *stimuli* representing different levels of *psychological and industrial stress*.

RD-2221-G (67-1). SPECIAL VEHICLES FOR THE SEVERELY DISABLED. Regents of the Univ. of California, 250 Sproul Hall, Berkeley, CA 94720; D. M. Cunningham.

A project to research, design, and develop a *special vehicle* for transporting a *severely handicapped person* to and from work at highway speeds. See also RD-2615.

RD-2283-RU (66-3). DRIVING RECORDS, LICENSING REQUIREMENTS AND INSURABILITY OF PHYSICALLY IMPAIRED DRIVERS. Colorado Seminary, Univ. of Denver, University Park Campus, Denver, CO 80210; Judge Sherman G. Finesilver.

To compile and analyze material relating to the *licensing, testing, driving records, accident involvement, and driver training* of physically impaired drivers.

RD-2305-G (66-1).* A STUDY TO DETERMINE THE FEASIBILITY OF CONTACTING DISABLED APPLICANTS AFTER A PERIOD OF YEARS, AND DEVELOPING AND PRETESTING QUESTIONNAIRE FOR FUTURE USE. Just One Break, Inc., 717 First Ave., New York, NY 10017; Fred C. Board.

A planning grant to determine the feasibility of conducting a *followup* study of *disabled* individuals *placed in competitive* employment over a period of years; to develop and test a questionnaire to determine the suitability of the placement. See also RD-2656.

RD-2310-P (67-1).* ENVIRONMENTAL PERCEPTIONS OF ADULT PUBLIC OFFENDERS IN REHABILITATION TREATMENT. Northern California Service League, 693 Mission St., San Francisco, CA 94105; Earl E. Dombross.

A pilot "content analysis" study of how adult *offenders*, referred to counseling in lieu of jail, *perceived their environment* and timing of changes in perception.

RD-2343-M (67-4). BASIC CONTRACTILE PHYSIOLOGY OF ISOLATED NORMAL AND DISEASED HUMAN SKELETAL MUSCLE. Research Foundation of State Univ. of New York, P.O. Box 7126; Joseph G. Benton, M.D.

To study systematically and in detail the fundamental *contractile physiology of isolated human skeletal muscle* in health and disease and possible *changes* in contractility produced by *therapeutic procedures* used in rehabilitation medicine.

RD-2415-G (67-5).* A FOLLOW-UP STUDY OF 1365 REFERRALS FOR REHABILITATION SERVICES. Maryland Division of Vocational Rehabilitation, 2100 Guilford Ave., Baltimore, MD 21218; Richard Helfrich.

A *followup study* of approximately 1,365 applicants for vocational rehabilitation service on the roles of the State agency between January 1 and March 31, 1964.

RD-2424-G (67-5). USE OF STUDENT AIDES TO THE PHYSICALLY HANDICAPPED IN HIGHER EDUCATION. St. Andrews Presbyterian College, Laurinburg, NC 28352; Robert M. Urie.

To demonstrate the use of *student aides* in assisting severely handicapped students to adjust to college on a campus essentially free from *architectural barriers*. See also RD-2001.

RD-2442-M (68-3). EFFECTS OF LOW INTENSITY ULTRA-SOUND ON CORTISOL IN NERVE AND MUSCLE. Univ. of Pennsylvania, 27 South 36th St., Philadelphia, PA 19104; James E. Griffin, Ph.D.

A basic research project to study the effects of *low intensity ultrasound on cortisol in nerves and muscles*.

RD-2454-G (67-1).* STATE AND LOCAL EFFORTS TO ELIMINATE ARCHITECTURAL BARRIERS TO THE HANDICAPPED. Natl. League of Cities, 1612 K St. N.W., Washington, DC 20006; L. A. Williams.

To evaluate State, local, and private efforts to *eliminate architectural barriers* through legislation, executive orders, or building codes, and to *assess public awareness* of such barriers.

RD-2478-G (67-1).* PLANNING FOR THE INTERDISCIPLINARY REORGANIZATION OF THE AMERICAN CONGRESS OF REHABILITATION MEDICINE. American Congress of Rehabilitation Medicine, 30 North Michigan Ave., Chicago, IL 60602; Edward W. Lowman, M.D.

A planning project for the *interdisciplinary reorganization* of the American Congress of Rehabilitation Medicine. See also RD-2981.

RD-2479-P (67-2).* CHANGE AND INTERVENTION IN URBAN COMMUNITIES. Menninger Foundation, P.O. Box 829, Topeka, KS 66601; William H. Key, Ph.D.

To plan a research program to *study a small city* as a *social-psychological system*.

RD-2483-G (67-1). INTERNATIONAL SYMPOSIUM ON WORK AND URBANIZATION IN MODERNIZING SOCIETIES. Caribbean Research Inst., College of the Virgin Islands, St. Thomas, VI 00302; Arthur J. Field, Ph.D.

To hold an international *symposium* on Work and Urbanization in Modernizing Societies. See also RD-1968.

RD-2490-G (67-2). ANTHROPOLOGY AND REHABILITATION: A CONFERENCE. Cornell Univ. Ithaca, NY 14850; Eliot D. Chapple, Ph.D.

To hold a *conference* of leading anthropologists to review present problems and discuss how anthropologists can contribute to rehabilitation.

RD-2503-G (68-3). WHEELCHAIRMANSHIP. American Rehabilitation Foundation, 1800 Chicago Ave.,

Minneapolis, MN 55404; Anita Smith, Ph.D.

To develop a *training program* and training *aids* for use with transportation, restaurants, hotels, and entertainment industry personnel to help remove *architectural barriers* to mobility of handicapped persons.

RD-2516-MPO (68-5). PATHOMECHANICS OF DISORDERS OF THE LOCOMOTOR SYSTEM. Western Reserve Univ. Sch. of Medicine, 2040 Adelbert Road, Cleveland, OH 44106; Victor H. Frankel, M.D.

To carry out *programmatic research* on the mechanical bases of disorders and treatment of the *locomotor system*.

RD-2601-P (67-1).* RESEARCH AND OCCUPATIONAL JUDGMENTS. Instituto Psicologico de Puerto Rico, Avenue Munoz Rivera 573, Hato Rey, PR 00918; Carlos Albizu-Miranda, Ph.D.

To study the *occupational behaviors, attitudes, and judgments* of factory workers and rehabilitation clients.

RD-2604-MPO (68-3). BIOMEDICAL ENGINEERING IN PHYSICAL REHABILITATION. Regents of Univ. of Michigan, 2008 Administration Bldg., Ann Arbor, MI 48104; James W. Rae, Jr., M.D.

To conduct *programmatic research* in the area of *biomedical engineering* in physical rehabilitation.

RD-2615-G (68-2). UCB-ENG-2604 - SPECIAL VEHICLE FOR THE SEVERELY DISABLED. Regents of the Univ. of California, Campus Research Office, 250 Sproul Hall, Univ. of California, Berkeley, CA 94720; Dr. Don Cunningham.

To gather information, research, and make preliminary designs for a special *vehicle* which would enable a severely handicapped person to *transport* himself to and from work at *highway speeds*. See also RD-2221.

RD-2624-G (68-3). TO ESTABLISH CONCURRENT OCCUPATIONAL THERAPY AND PHYSICAL THERAPY JUNIOR COLLEGE CURRICULA. Maryland State Dept. of Health, 301 West Preston St., Baltimore, MD 21201; Jean Rose Stifler, M.D.

To *train occupational therapy assistants and physical therapy assistants* in companion courses and evaluate their effectiveness in contributing toward resolution of *manpower shortages*.

RD-2656-G (68-2). OCCUPATIONAL EXPERIENCES OF PHYSICALLY HANDICAPPED WORKERS AFTER PLACEMENT. Just One Break, Inc., 717 First Ave., New York, NY 10017; Fred C. Board.

A *followup study* on the *postplacement occupational experience* of a group of relatively *unskilled* physically *disabled workers*. See also RD-2305.

RD-2695-G (68-1).* REHABILITATION IN POVERTY SETTINGS. Office of Research Administration, Northeastern Univ., Boston, MA 02115; Reuben J. Margolin, Ed.D.

To hold a 4-day *conference* on Rehabilitation in Poverty Settings, and to publish the proceedings.

RD-2709-M (68-1).* A STUDY OF INCIDENCE OF DISABILITY AND AVAILABILITY OF HEALTH SERVICES IN COLLEGE COMMUNITIES. American College Health Assn., P.O. Box 9117, Univ. of Miami Beach, Coral Gables, FL 33124; Samuel I. Fuenning, M.D., and Leona B. Yeager, M.D.

A pilot project to develop an instrument and conduct a *survey to determine the incidence of disability in college communities*.

RD-2712-G (68-1).* VOCATIONAL REHABILITATION OF THE SEXUAL OFFENDER. Boston Univ., 755 Commonwealth Ave., Boston, MA 02215; Murray L. Cohen, Ph.D.

A pilot project to (1) study the *vocational rehabilitation process* at a treatment center for *sexually dangerous* persons, and (2) develop methods and procedures for studying the *psychology of work* of the sexual offender.

RD-2717-P (68-1). PROJECT PROMISE: A THRUST TOWARD THE DEVELOPMENT OF A COMPREHENSIVE TREATMENT AND REHABILITATION PROGRAM FOR THE EMOTIONALLY MALADJUSTED. Alexandria Community Mental Health Center, 720 North Saint Asaph St., Alexandria, VA 22314; Sidney Shankman, M.D.

A pilot project to test the feasibility of training and using *volunteers* to assist in the rehabilitation of *mentally and emotionally disturbed* patients in a community mental health center.

RD-2734-P (68-1).* STUDIES OF THE NORMAL PERSONALITY. Curators of the Univ. of Missouri, 111 Jesse Hall, Columbia, MO 65201; C. J. Krauskopf, Ph.D.

A pilot project to investigate the development of an assessment system for the normal personality and to test a system of supplying test response data to a central file for future reference.

RD-2735-G (68-1).* REHABILITATION OF THE YOUNG MALE PROSTITUTE. Univ. of Washington, Seattle, WA 98105; Robert W. Deisher, M.D.

A pilot study to determine through interviews the feasibility of rehabilitating young male prostitutes.

Spec. rept. *The Young Male Prostitute*.

RD-2742-M (68-1). STUDY OF THE PRACTICE OF PHYSICAL MEDICINE AND REHABILITATION. American Rehabilitation Foundation, 1800 Chicago Ave.,

Minneapolis, MN 55404; Joseph G. Benton, M.D.
To do pilot research in preparation for a full-scale comprehensive study of the practice of *specialists in rehabilitation medicine*.

RD-2751-RU (68-1). FILM DISCUSSION PROGRAMS TO EDUCATE THE PUBLIC ABOUT THE PHYSICALLY HANDICAPPED AND RESOURCES FOR HELPING THEM. Family Life Film Center of Connecticut, Fairfield Univ., Fairfield, CT 06430; Charlotte S. Kaufman.
A *pilot study* to organize *film discussion groups* to educate the *public and business community* about the handicapped and the facilities available for their treatment, and to develop *discussion and utilization guides* for films.

RD-2756-G (68-1).* ENCOURAGING AND PRESERVING AMERICAN HANDCRAFTS. American Federation of Arts, 41 East 65th St., New York, NY 10021; William Katzenbach.
A pilot project to determine the feasibility of helping *economically depressed areas* such as Appalachia by (1) *designing products* which natives can produce at adequate wages and (2) organizing *markets* for the craft objects.

RD-2800-G (68-5). INCOME DISPERSION AND REHABILITATION. President and Fellows of Harvard College, Holyoke Center, 1350 Massachusetts Ave., Cambridge, MA 02138; Samuel Bowles, Ph.D., and Lester Thurow, Ph.D.
To study how human resources and other factors determine *income dispersion and its effect upon the rehabilitation* process.

RD-2873-G (68-1). JOBS 26. Greater Washington Educational Television Assn., 2600 Fourth St. N.W., Washington, DC 20001; Dr. Jack W. Hunter.
To demonstrate the efficacy of *television* in helping *solve employment problems* by (1) bringing to bear the large-scale communications capabilities of the medium, and (2) using the immediacy of television programming to focus action of community organizations involved in employment and training activities.

RD-2938-G (68-3). DEVELOPMENT OF THE STAIR-CLIMBING WHEELCHAIR. Franklin Inst. Research Laboratories, 20th St. at Benjamin Franklin Parkway, Philadelphia, PA 19103; Dr. Zenons Zudans.
The development of a compact, simple concept *stair-climbing wheelchair* that can be either hand powered or motorized.

RD-2985-RU (68-). INNOVATION IN VOCATIONAL REHABILITATION PROGRAMS THROUGH RESEARCH UTILIZATION. Jewish Vocational Service, One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.
To create and conduct a *research utilization laboratory* to field test and adapt research findings to a variety of agency conditions.

RD-3065-P (69-1). AMERICAN CONFERENCE ON THE PSYCHOLOGICAL ASPECTS OF DISABILITY. American Psychological Assn., 1200 Seventeenth St. N.W., Washington, DC 20036; Dr. Walter S. Neff.
To conduct a National *Conference* of Division 22 of the American Psychological Association (Division of Psychological Aspects of Disability) on important contemporary *issues in psychology and rehabilitation*.

RD-3077-RU (69-5). ESTABLISHING A RESEARCH UTILIZATION SPECIALIST IN A STATE VOCATIONAL REHABILITATION AGENCY. Virginia Dept. of Vocational Rehabilitation, 4615 West Broad St., Richmond, VA 23230; Dale E. Hanks.
To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3080-RU (69-2). CATALOGUING AND INDEXING SOCIAL AND REHABILITATION SERVICE INFORMATION RESOURCES. Univ. of Florida, Gainesville, FL 32601; John E. Muthard, Ph.D.
To prepare a *bibliography of final reports and articles* resulting from SRS-sponsored research, including *keyword index* and list of *grantees, authors, and project titles*.

RD-3082-RU (69-5). THE DEVELOPMENT OF STATE RESEARCH UTILIZATION. Division of Vocational Rehabilitation, Dept. of Health and Social Services, One West Wilson St., Madison, WI 53702; Edward J. Pfeifer, Ph.D.
To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3083-RU (69-5). IMPROVING CLIENT SERVICES THROUGH USE OF RESEARCH UTILIZATION SPECIALISTS. Vocational Rehabilitation Division, Texas Education Agency, Capitol Station, Austin, TX 78711; L. T. Johnston.
To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practioners and administrators to improve programs.

RD-3084-RU (69-5). RESEARCH UTILIZATION SPECIALIST IN ALABAMA VOCATIONAL REHABILITATION AGENCY. Vocational Rehabilitation Service, 2129 East South Blvd., Montgomery, AL 36111; O. F. Wise.
To demonstrate that a *Research Utilization Specialist* in a State VR agency can prbmote

innovations and research utilization by adapting research findings for use by practitioners and administrators to improve programs.

RD-3085-RU (69-5). DEVELOPMENT OF RESEARCH UTILIZATION PROGRAM. Section of Vocational Rehabilitation, State Dept. of Education, 1448 West Dunklin, Jefferson City, MO 65101; Robert H. Prouty.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3088-RU (69-5). STATE AGENCY USE OF THE RESEARCH UTILIZATION SPECIALIST. Utah State Board of Education, Office of Rehabilitation Services, 1200 University Club Bldg., 136 East South Temple, Salt Lake City, UT 84111; Vaughn L. Hall.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3105-P (69-3). PROFESSIONAL AND CLIENT VIEWPOINTS ON REHABILITATION ISSUES. Schwab Rehabilitation Hospital, 1401 South California Blvd., Chicago, IL 60608; Gloria L. Leviton, Ph.D.

To investigate *differences in viewpoints of professionals and clients* on rehabilitation issues and to provide information for the training of personnel in ways of preventing misunderstanding and conflict and *improving professional-client relationships*. See also RD-2182.

RD-3154-RU (69-5). RESEARCH UTILIZATION IN CALIFORNIA DEPARTMENT OF REHABILITATION, California Department of Rehabilitation, 714 P St., Sacramento , CA 95814; Paul F. C. Mueller, Ph.D.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3156-P (69-1). THE OFFENDER AS AN EDUCATIONAL RESOURCE IN CRIMINAL JUSTICE AND CONVICTIONS. Natl. College of State Trial Judges, Univ. of Nevada, P.O. Box 9038, Reno, NV 89507; Judge Laurance M. Hyde, Jr.

To conduct a *workshop* among significant actors in the drama of crime, criminal justice, and *corrections*, designed to improve communications and correctional procedures.

RD-3161-RU (69-5). RESEARCH UTILIZATION SPECIALIST IN THE MASSACHUSETTS REHABILITATION COMMISSION. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Richard T. Goldberg, Ed.D.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3163-G (69-3). A PROGRAM OF REHABILITATION SERVICES IN A MILITARY BASE COMMUNITY. South Carolina Vocational Rehabilitation Dept., 400 Wade Hampton State Office Bldg., Columbia, SC 29201; Charles S. Chandler, Ph.D.

A model system for delivery of vocational rehabilitation services to *disabled dependents of military personnel* stationed at a military base.

RD-3289-RU (70-1). PLANNING-DEMONSTRATION PROJECT FOR THE UTILIZATION OF RESEARCH FINDINGS OF THE JOINT COMMISSION ON CORRECTIONAL MANPOWER AND TRAINING. Joint Commission on Correctional Manpower and Training, 1522 K St. N.W., Washington, DC 20005; Dr. Garrett Heyns.

To formulate an effective comprehensive plan to implement the major findings and recommendations of the Joint Commission on *Correctional Manpower and Training*.

RD-3364-RU (69-5). RESEARCH UTILIZATION SPECIALIST IN THE NEW JERSEY REHABILITATION COMMISSION. New Jersey Rehabilitation Commission, Labor and Industry Bldg., Trenton, NJ 08625; Adriano J. Marinelli.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3708-G (69-1). PILOT STUDY OF NEW CAREERS IN LAW. Univ. of Denver, College of Law, 200 West 14th Ave., Denver, CO 80204; Robert B. Yegge, LL.B.

A study of the feasibility of identifying occupations within the legal profession which may be performed by *paralegal and sublegal* handicapped persons.

A (57-1).* ANALYSIS OF SOME RESEARCH NEEDS IN THE PSYCHOLOGICAL ASPECTS OF REHABILITATION. Univ. of Houston, 3801 Cullen Blvd., Houston, TX 77004; Lee Meyerson, Ph.D.

Analysis of *research needs* in the psychological aspects of rehabilitation.

Spec. rept. *Psychological Aspects of Sensory Disability*.

B (57-1).* RESEARCH NEEDS IN THE PHYSICAL REHABILITATION ASPECTS OF VOCATIONAL REHABILITATION. New York Univ. Medical Center, 550 First Ave.,

New York, NY 10016; Howard A. Rusk, M.D.
To identify and analyze the *research needs* in the *physical rehabilitation* aspects of vocational rehabilitation.

RC-45-G (67-1). EMPLOYMENT, TRANSPORTATION, AND THE HANDICAPPED. Arthur D. Little, Inc., Acorn Park, Cambridge, MA 02140; M. W. Silber.
A contract to estimate the extent to which *costs of transportation* between home and job impose an extra burden on handicapped workers.

RC-62-RU (69-1). CONTRACT FOR ABSTRACTING R&D FINAL REPORTS. Computer Management Corp., 1105 West University Ave., Gainesville, FL 32601; Heinz Dinter.
To *abstract and index final reports* produced by SRS research programs, and to compile a *general index* of terms used and a *locator card file* listing projects by *descriptors* to permit *manual retrieval*.

Staff of the following projects are cooperating in the National effort to study and provide solutions for the problems of school dropouts. A variety of approaches have been used, ranging from individual and group counseling to subsidized job programs, conferences of school officials, and the development of research programs and data collection systems.

RD-1423-G (64-1).* A PROGRAM FOR THE REHABILITATION OF DROPOUTS: A FUTURE FOR JIMMY. Washington Urban League, 2634 L2th St. N.W., Washington, DC 20018; Mrs. Velma M. Strode.

RD-1427-G (64-1).* A SCHOOL DROP OUT PREVENTION PROJECT FOR OVERAGE PROMOTEES. Goodrich Social Settlement, Bell Neighborhood Center, 1839 East 81st St., Cleveland, OH 44103; John W. Cox.

RD-1429-G (64-1).* HELPING YOUTH PURSUE OPPORTUNITIES: GUIDELINES FOR THE PREVENTION OF SCHOOL DROPOUTS. Maine State Dept. of Education, State Office Bldg., Augusta, ME 04332; Phillip A. Annas.

RD-1431-G (64-1).* A PLAN TO ANALYZE AND IMPLEMENT THE HOLDING POWER OF WYOMING SCHOOLS FOR HANDICAPPED STUDENTS. Division of Vocational Rehabilitation and Special Education, State Capitol Bldg., Cheyenne, WY 82001; James R. Galloway, Ph.D.

RD-1432-G (64-1).* THE DROPOUT PATTERN: ACTUAL AND POTENTIAL. 2 vols. Union High School District #5, 2202 S. E. Willard St., Milwaukee, OR 97222; Mrs. Megan Walth.

RD-1433-G (64-1).* SCHOOL DROPOUTS IN WASHOE COUNTY, NEVADA. Washoe Co. School District, 425 East Ninth St., Reno, NV 89502; Marvin Picollo.

RD-1434-G (64-1).* SCHOOL DROPOUTS. School District #1, Multnomah Co., Portland Public Schs., Portland, OR 97219; Richard S. Boyd, Ph.D.

RD-1505-G (64-1).* ALLEVIATING OR CORRECTING NON-DIRECTION AND DISLOCATION OF HANDICAPPED STUDENTS AND DROPOUTS. Division of Vocational Rehabilitation, P.O. Box 520, Olympia, WA 98501; Henry Bertness.

XX. ADMINISTRATIVE OR PROGRAM STUDIES

RD-4 (55-3).* SURVEY OF EMPLOYERS' PRACTICES AND POLICIES IN THE HIRING OF PHYSICALLY IMPAIRED WORKERS. Federation Employment and Guidance Service, 42 East 41st St., New York, NY 10017; Roland Baxt.

To identify the specific roadblocks to employment of disabled persons through a study of the relationships between employer *policies and hiring practices*.

RD-73 (56-3).* REPORT OF THE COUNCIL ON REHABILITATION. Medical Society of D.C., 1719 M St. N.W., Washington, DC 20036; Josephine J. Albrecht.

To analyze and demonstrate the *role of a local medical society* in total community rehabilitation planning.

RD-86 (56-4).* A NATIONWIDE PROGRAM OF HEALTH CAREER DEVELOPMENT. Natl. Health Council, 1790 Broadway, New York, NY 10019; Mrs. Z. C. Franklin.

To identify current and future *personnel needs* in the fields related to the vocational rehabilitation program and to develop projects to increase the supply of trained personnel.

Spec. rept. *Recruitment for Personnel in the Health Field.*

RD-99 (55-2).* SERVICE AND COST ANALYSIS. Community Studies, 724 Railway Exchange Bldg., 705 Walnut St., Kansas City, MO 64106; W. D. Bryant, Ph.D.

To determine the *benefits* of a *complete rehabilitation program* for all disabled residents based on careful *survey and analysis of need, and provision* of the necessary rehabilitation *services*.

Spec. repts. 1. *Metropolitan Area Health Survey.* 2. *Psychological Aspects of Rehabilitation: Initial Status Studies.* 3. *Psychological Aspects of Rehabilitation: Follow-up Studies.*

RD-116 (57-3).* FINAL REPORT OF THE CENTRAL REHABILITATION REFERRAL SERVICE, INC. Central Rehabilitation Referral Services, 7th and Delancey Sts., Philadelphia, PA 19106; Hope Thomson.

To evaluate the effectiveness of a *centralized referral* service in a large urban community as a means of facilitating rehabilitation of the disabled.

RD-124 (57-2).* STUDIES OF PUBLIC ASSISTANCE REFERRALS TO VOCATIONAL REHABILITATION. Univ. of Washington, Seattle, WA 98105; Jack R. Parsons, Ph.D.

To study (1) different methods of *administrative organization* in a vocational rehabilitation agency office in relation to the number and quality of rehabilitations and (2) the relationship beween success or failure in vocational *rehabilitation and client dependency*.

RD-137 (57-1).* UTILIZATION OF THE PHYSICALLY HANDICAPPED - A PILOT STUDY OF MANAGEMENT EXPERIENCES. Industrial Relations Counselors, 1270 Avenue of the Americas, New York, NY 10020; Paul H. Norgrens.

To conduct a pilot research project on company experience in *employing the physically handicapped*. See also RD-643.

RD-151 (57-1).* SOME SOURCES OF DELAY IN THE MEDICAL REFERRAL OF REHABILITATION CLIENTS. Univ. of Houston, Houston, TX 77004; Lee Meyerson, Ph.D.

To identify improved techniques for the *referral* of disabled persons to vocational rehabilitation agencies from practicing physicians and health agencies.

RD-166 (58-3).* AN EXPERIMENT IN THE INTEGRATION OF REHABILITATION SERVICES AND RESOURCES. 3 Vols. Marquette Univ. Sch. of Medicine, 561 North 15th St., Milwaukee, WI 43233; J. S. Hirschboeck, M.D.

To compare results of two methods of *referral* on the cost and effectiveness of rehabilitation programs.

RD-171 (58-2).* MINNESOTA STUDIES IN VOCATIONAL REHABILITATION. Monographs 1--9. 1. Research Plan and Bibliography. 2. A Study of Referral Information. 3. A Follow-Up Study of Placement Success. 4. A Study of 1,637 DVR Counselees. 5. Methodological Problems in Rehabilitation Research. 6. A Survey of the Physically Handicapped in Minnesota. 7. Factors Related to Employment Success. 8. A Study of ES Applicants. 9. The Application of Research Results. Univ. of Minnesota, Minneapolis, MN 55455; George W. England, Ph.D., and L. H. Lofquist, Ph.D.

To evaluate and compare the effectiveness of *referral and placement* procedures as they relate to type of agency, type of disability, age of the disabled individual, and other variables. See also RD-422; RD-1613.

RD-178 (57-3).* THE INFLUENCE OF EMOTIONAL, SOCIAL, AND PHYSICAL FACTORS ON VOCATIONAL REHABILITATION ADJUSTMENT. Univ. of Utah, Salt Lake City, UT 84112; William H. McPhee, Ph.D.

To study emotional, social, and physical *factors* associated with *success or failure in* achieving *rehabilitation* among clients in three States. See also RD-757.

Spec. repts. 1. *Utah Preliminary Report.* 2. *Montana Preliminary Report.* 3. *Wyoming Preliminary Report.*

RD-230 (58-3).* TECHNIQUES AND PROCEDURES OF REHABILITATING SEVERELY DISABLED PEOPLE IN SMALL BUSINESS ENTERPRISE OBJECTIVES. Alabama Sch. of Trades, 1001 East Broad, Gadsden, AL 35903; E. L. Darden.

To develop *guides and procedures* for use in establishing severely disabled individuals in *small business enterprises*.

RD-329 (59-1).* DIRECTORY OF REHABILITATION RESOURCES IN MINNESOTA. Division of Vocational Rehabilitation, 4th Floor, Centennial Bldg., St. Paul, MN 55101; August W. Gehrke and C. Stanley Potter.

To study and evaluate vocational *rehabilitation resources* within the State and to investigate the more effective coordination of these resources in advancing rehabilitation opportunities for disabled persons, particularly in rural areas.

Spec. rept. *Procedures Utilized in the Development of the Directory of Rehabilitation Resources in Minnesota*, 1960.

RD-401 (59-4).* PROFESSIONAL EXAMINATION SERVICE FOR VOCATIONAL REHABILITATION AGENCIES. Professional Examination Service, American Public Health Assn., 1790 Broadway, New York, NY 10019; L. D. Long, Ph.D.

To develop written objective *examination* questions and procedures for evaluating professional *personnel* in the field of rehabilitation, for use by rehabilitation agencies and State civil service commissions.

RD-422 (60-5).* MINNESOTA STUDIES IN VOCATIONAL REHABILITATION. Monographs 10--20. 10. A Definition of Work Adjustment. 11. Attitudinal Barriers to Employment. 12. Validity of Work Histories Obtained by Interview. 13. The Measurement of Employment Satisfaction. 14. The Measurement of Employment Satisfactoriness. 15. A Theory of Work Adjustment. 16. The Measurement of Vocational Needs. 17. Disability and Work. 18. Construct Validation Studies of the Minnesota Importance Questionnaire. 19. An Inferential Approach to Occupational Reinforcement. 20. Seven Years of Research on Work Adjustment. Univ. of Minnesota, Minneapolis, MN 55414; George W. England, Ph.D., and L. H. Lofquist, Ph.D.

To develop and conduct a *program of research* in cooperation with State and local rehabilitation agencies, in various *problems* of planning and operating *rehabilitation services* in regional, State, and local community areas. See also RD-171; RD-1613.

RD-443 (60-3).* A NATIONWIDE PROGRAM OF HEALTH CAREER DEVELOPMENT. Natl. Health Council, 1790 Broadway, New York, NY 10019; Mrs. Z. C. Franklin.

To expand *personnel* recruitment and training resources related to rehabilitation through a program of factfinding, study, and evaluation, and public information.

RD-457 (60-3).* FIRST SUPPLEMENT TO THE DIRECTORY OF REHABILITATION RESOURCES IN MINNESOTA. Division of Vocational Rehabilitation, 4th Floor, Centennial Bldg., St. Paul, MN 55101; August W. Gehrke and C. Stanley Potter.

To identify vocational rehabilitation needs within the State through an evaluation of the results of a prior survey of available resources and to develop and *stimulate community action* and support in order to increase rehabilitation opportunities for disabled individuals.

Spec. repts. 1. *Report of the Rehabilitation Committee of the Community Health Committee.* 2. *Report of the First Governor's Conference on Rehabilitation.*

RD-522 (60-1).* STATE LEGISLATIVE COUNCIL STUDY OF REHABILITATION SERVICES, 1959-1960. Oklahoma State Leiglative Council, State Capitol, Oklahoma City, OK 73105; Seth Wilson.

To conduct an organized and systematic *study* of the *extent of disability*, and to develop a more effective and efficient State program to meet the total needs of handicapped individuals.

RD-534 (60-4).* COMMUNITY ACTION FOR COMPREHENSIVE REHABILITATION SERVICES AND THE ESTABLISHMENT OF A PILOT EVALUATION-REFERRAL CENTER. Contra Costa Rehabilitation Council, P.O. Box 871, Martinez, CA 94554; Mrs. Eleanor Kunitz.

To demonstrate and evaluate effective administration methods for *organizing rehabilitation resources* in an urban county and to establish a pilot evaluation-*referral center* as an integral part of the organized resources.

RD-535 (60-1).* CATALOGING REHABILITATION LITERATURE: A GUIDE FOR PERSONNEL IN REHABILITATION AGENCIES AND FACILITIES. Division of Vocational Rehabilitation, 507 Public Service Bldg., Salem, OR 97310; Doreen Y. Portal.

To develop an organized *system for cataloging* and classifying vocational rehabilitation *library reference* materials.

RD-538 (60-2).* HEALTH INFORMATION SYSTEMS. 2 vols. 1. Narrative Description of Record Procedures in Current Use in Three Public Institutions. 2. Flowcharts of Record Procedures in Current Use in Three Public Institutions. Univ. of Southern California, University Park, Los Angeles, CA 90007; F. J. Moore, M.D.

To develop an *information storage and retrieval system* capable of meeting the needs of

vocational rehabilitation agencies for service, research, administration, and education in a metropolitan area. See also RD-881.

RD-541 (60-1).* THE DEVELOPMENT OF A RESEARCH DESIGN FOR THE CONSTRUCTION OF METHODS FOR STUDYING THE TOTAL REHABILITATION EFFORT IN A GIVEN COMMUNITY. N.Y. State Inderdepartmental Health Resources Board, 11 North Pearl St., Room 1212, Albany, NY 12207; I. Jay Brightman, M.D.

To develop a research design for studying the *organization* and operation in all *rehabilitation services* for public and private agencies in a given *community*.

RD-564 (60-1).* THE SEARCH FOR EMPIRICALLY DERIVED CRITERIA FOR EVALUATION OF RESIDENCY PROGRAMS IN PHYSICAL MEDICINE AND REHABILITATION. Univ. of Nebraska, Lincoln, NB 68508; Clay Gerken, Ph.D.

To develop reliable criteria by which the adequacy of *residency programs in physical medicine and rehabilitation* can be evaluated.

RD-632 (61-1).* ANALYSIS OF POLICY DYNAMICS. Univ. of Kansas, Lawrence, KS 68957; Ethan Allen, Ph.D.

To study and analyze factors which influence the *development of community support* for State vocational rehabilitation programs.

RD-636 (61-1).* PATTERNS OF SERVICE IN DIVISIONS OF VOCATIONAL REHABILITATION. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; Martin Dishart.

To plan a study of the *patterns of rehabilitation services* currently made available to handicapped persons under the State-Federal vocational rehabilitation program. See also RD-893.

RD-643 (60-1).* PLANNING GRANT FOR STUDY OF EMPLOYER EXPERIENCE IN THE UTILIZATION OF THE PHYSICALLY HANDICAPPED. Industrial Relations Counselors, Rockefeller Center, 1270 Avenue of the Americas, New York, NY 10020; Carroll E. French.

To plan a study of *employers' experience* in the utilization of the physically handicapped. See also RD-137.

RD-659 (60-1).* DEVELOPMENT OF A RESEARCH AND DEMONSTRATION PROJECT TO MEET THE VOCATIONAL REHABILITATION NEEDS OF SELECTED GROUPS OF HANDICAPPED STUDENTS IN A LARGE URBAN SCHOOL SYSTEM. Division of Vocational Rehabilitation, 162 Washington Ave., Albany, NY 12210; Adrian Levy.

To plan a project for closer *coordination* of vocational and educational *services* to meet the needs of mentally or physically *handicapped adolescents* attending *high school* in a large urban area. See also RD-829.

RD-757-P (61-1).* ADJUSTMENT OF VOCATIONAL REHABILITATION CLIENTS. Univ. of Utah, Salt Lake City, UT 84112; William M. McPhee, Ph.D.

To analyze and evaluate the *influence* of emotional, social, and physical *factors* on the vocational *rehabilitation* of the mentally and physically *disabled*. See also RD-178.

RD-761-G (61-4).* A STUDY OF THE FEASIBILITY OF TAPE RECORDING FOR TEACHING REHABILITATION. New York Univ. Medical Center, Inst. of PM&R, 400 East 34th St., New York, NY 10016; Howard A. Rusk, M.D.

To study and evaluate the feasibility of using *tape recordings for rehabilitation teaching* in universities throughout the country.

RD-770-G (61-1).* VOLUNTEERS FILL THE GAP. Vocational Rehabilitation Division, 307 Will Rogers Bldg., State Capitol Complex, Oklahoma City, OK 73105; James A. West.

To demonstrate the effectiveness of using *volunteers in hospitals* as a means of facilitating referral of disabled persons in need of rehabilitation service.

RD-771-G (61-3).* A COOPERATIVE PROGRAM OF SPECIAL EDUCATION-VOCATIONAL REHABILITATION: BRIDGING THE GAP BETWEEN SCHOOL AND EMPLOYMENT. Vocational Rehabilitation Division, 307 Will Rogers Bldg., State Capitol Complex, Oklahoma City, OK 73105; James A. West.

To demonstrate the value of a *coordinated* rehabilitation and educational *service* in meeting the vocational needs of disabled *high school youth*.

RD-790-G (61-1).* THE ROLE OF A STATE VOCATIONAL REHABILITATION AGENCY IN SOLVING PROBLEMS IN A DEPRESSED AREA. Division of Vocational Rehabilitation, 400-W, State Capitol Bldg., Charleston, WV 25305; F. Ray Power.

To study the rehabilitation requirements of disabled persons residing in *depressed areas*; to determine the *role* of a *State* vocational rehabilitation agency and other public and private *agencies* in meeting these needs.

RD-794-P (62-1).* DEVELOPING A VOCATIONALLY ORIENTED FOUR-YEAR SECONDARY SCHOOL PROGRAM FOR HANDICAPPED ADOLESCENTS. Montgomery Co. Board of Education, Rockville, MD 20850; Samuel M. Goodman and Mrs. M. T. Tannhauser.

To study the feasibility of developing a 4-year program of supervised *out-of-school work*

experience in the training of *handicapped students*.

RD-829-G (62-5).* VOCATIONAL READINESS FOR YOUNG DISABLED STUDENTS IN NEW YORK CITY: A 5-YEAR COLLABORATIVE STUDY. Division of Vocational Rehabilitation, 200 Park Ave. South, New York, NY 10003; Morris Klapper.

To develop and demonstrate an *interagency method* of serving the vocational *rehabilitation* needs of severely *disabled students* with adjustment problems who are enrolled in several types of special classes. See also RD-659.

Spec. rept. *Vocational Readiness for Young Disabled Students in New York City: A 3-Year Interim Report.*

RD-855-G (63-5).* RESEARCH AND STATISTICS - EXPERIMENTATION FOR DEVELOPMENT OF AN EFFECTIVE PROGRAM IN A STATE REHABILITATION AGENCY. Bureau of Vocational Rehabilitation, 33 Garden St., Hartford, CT 06105; J. S. Peters II, Ph.D.

To identify and implement more effective *statistical methods and procedures* designed to improve rehabilitation services and enhance agency program planning.

RD-860-G (62-2).* THE DEVELOPMENT AND OPERATION OF A REHABILITATION FIELD LABORATORY IN ALBANY COUNTY, NEW YORK. Health Research, Inc., 84 Holland Ave., Albany, NY 12208; Joseph Fenton, Ed.D.

To develop methods of identifying, studying, and evaluating local *community rehabilitation resources* and how they may be *coordinated* and augmented by new services in order to meet the total needs of the disabled.

RD-881-G (62-1).* REHABILITATION INFORMATION RETRIEVAL. Univ. of Southern California, University Park, Los Angeles, CA 90007; Frederick J. Moore, M.D.

To determine by system analyses what type of rehabilitation information is needed for a city-wide patient *information storage and retrieval system*. See also RD-538.

RD-893-G (62-2).* Final report in 2 vols. 1. PATTERNS OF REHABILITATION SERVICES PROVIDED BY THE 90 STATE VOCATIONAL REHABILITATION AGENCIES OF THE UNITED STATES. 2. A NATIONAL STUDY OF 84,699 APPLICANTS FOR SERVICES FROM STATE VOCATIONAL REHABILITATION AGENCIES IN THE UNITED STATES. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; Martin Dishart, Ph.D.

To identify, study, and report the ways in which *rehabilitation resources are utilized* by public vocational rehabilitation agencies in serving disabled persons.

Spec. repts. 1. *Highlights of National Studies at 90 State Vocational Rehabilitation Agencies by the Patterns of Rehabilitation Services Project.* 2. *Comparative Patterns of Rehabilitation Services in State Vocational Agencies.* 3. *Vital Issues and Recommendations From the 1965 National Institutes for Rehabilitation Research.*

RD-899-P (62-5).* THE SEVR PROJECT: A PROGRAM SERVING URBAN RETARDED YOUTH. Detroit Board of Education, Dept. of Special Education, 2918 Rivard, Detroit, MI 48207; Earl B. Young.

To demonstrate and evaluate a program of intensive coordinated educational and vocational rehabilitation of *handicapped youths*.

RD-945-G (62-1).* DISABILITY AND ITS IMPLICATIONS FOR PLANNING PURPOSES. Oklahoma State Legislative Council, Room 431, State Capitol, Oklahoma City, OK 73105; Jack V. Boyd.

To study ways in which workshop facilities, health centers, compensation legislation, and *interagency cooperation* may be made more effective for the vocational rehabilitation of disabled individuals.

RD-946-G (63-3). OPERATIONS RESEARCH PROGRAM. Vocational Rehabilitation Division, 307 Will Rogers Bldg., State Capitol Complex, Oklahoma City, OK 73105; James A. West.

To *identify researchable problems* in vocational rehabilitation, *stimulate and coordinate* rehabilitation, *research within the State*, and assist in the interpretation of research results for application in the public rehabilitation program.

RD-959-G (64-3). A PROJECT TO DEMONSTRATE THE ROLE OF A PROJECT DIRECTOR IN CHARGE OF RESEARCH AND PROGRAM DEVELOPMENT. Division of Vocational Rehabilitation, 400-W, State Capitol Bldg., Charleston, WV 25305; Gary Palmer.

To *identify researchable problems* in vocational rehabilitation, *stimulate and coordinate* rehabilitation *research within the State*, and assist in the interpretation of research results for application in the public rehabilitation program.

RD-962-G (63-3).* REHABILITATION RESEARCH. Arkansas Rehabilitation Service, 211 Broadway, Room 227, Little Rock, AR 72201; Thurber W. Owens.

To *identify researchable problems* in vocational rehabilitation, *stimulate and coordinate* rehabilitation *research within the State*, and assist in the interpretation of research results for application in the public rehabilitation program.

RD-1037-G (62-1).* REHABILITATION NEEDS OF NEW ENGLAND. Natl. Rehabilitation Assn., 1029 Ver-

mont Ave. N.W., Washington, DC 20005; E. B. Whitten.

To conduct a *conference* of rehabilitation specialists in order to identify *research and demonstration needs* in the New England area in vocational rehabilitation.

RD-1046-G (63-3).* OPERATIONAL RESEARCH PROGRAM IN THE MICHIGAN VOCATIONAL REHABILITATION AGENCY. Division of Vocational Rehabilitation, 4th Floor, Davenport Bldg., P. O. Box 1016, Lansing, MI 48904; Ralf A. Peckham, Ed.D.

To *identify researchable problems* in vocational rehabilitation, *stimulate and coordinate* rehabilitation *research within the State*, and assist in the interpretation of research results for application in the public rehabilitation program.

RD-1053-G (63-1).* TO ESTABLISH A REGIONAL RESEARCH CENTER AT THE UNIVERSITY OF UTAH. Univ. of Utah, Salt Lake City, UT 84112; William M. McPhee, Ph.D.

To develop and conduct a *regional research program* in the various aspects of planning and operating rehabilitation services in State as well as local community areas, with particular emphasis on problems of concern to *rural areas*. See also RD-1437-G.

RD-1055-P (63-5).* THE WORK ORIENTED CURRICULUM PROJECT: EMPLOYMENT TRAINING IN ON-THE-JOB WORK SITUATIONS FOR HANDICAPPED ADOLESCENTS. Montgomery Co. Public Schools, Educational Services Center, Rockville, MD 20850; Samuel M. Goodman, Ph.D.

To develop and evaluate a program of *secondary school instruction* for handicapped pupils in which the critical element is a planned sequence of *work experience* outside the school, around which the pupils' total curriculum is structured.

RD-1126-G (63-5).* PREVENTIVE REHABILITATION - A PROMISE FOR THE FUTURE. Division of Vocational Rehabilitation, 40 Fountain St., Providence, RI 02903; Edward J. French.

A demonstration of the value and effectiveness of *coordinated State and community resources* in meeting the vocational rehabilitation needs of handicapped *high school students* whose physical or mental disabilities hinder further education or satisfactory vocational adjustment.

RD-1127-G (63-5).* REHABILITATION RESEARCH MONOGRAPH SERIES. 3 vols. 1. Client Motivation for Rehabilitation: A Review. 2. Characteristics of Students in the Health Related Professions. 3. Six Years of Rehabilitation Research: Studies of Personnel in Health Related Professions, Client Motivation, and Research Utilization. Univ. of Florida, College of Health Related Services, Gainesville, FL 32703; John R. Barry, Ph.D.

To develop and conduct a *regional research program* in cooperation with State and local rehabilitation agencies, to study *motivation and personality factors* in the rehabilitation of the disabled, and to explore the *interest and motivation of professional persons* working in rehabilitation.

Spec. repts. 1. *Research and Demonstration Projects: a Bibliography - 1968.* 2. *Selected Rehabilitation Counseling Literature: A KWIC (Keyword in Context) Index.* 3. *Management and Personnel Abstracts.*

RD-1133-G (64-1).* AN OPERATIONS RESEARCH PROGRAM IN A STATE AGENCY FOR VOCATIONAL REHABILITATION. Bureau of Vocational Rehabilitation, 240 Parsons Ave., Columbus, OH 43215; James W. McDaniel.

To *identify researchable problems* in vocational rehabilitation, *stimulate and coordinate* rehabilitation *research within the State*, and assist in the interpretation of research for application in the public rehabilitation program.

RD-1219-P (63-5).* PROGRAM FOR HANDICAPPED YOUTH. Jewish Vocational Service, 1606 Main St., Kansas City, MO 64108; Bertram Brant.

To develop and evaluate a *counseling and work experience program* for physically handicapped *high school students*.

RD-1251-G (63-3). PROJECT REHAB: DEMONSTRATION OF A LABOR-REHABILITATION LIAISON SERVICE. New York City Central Labor Council, AFL-CIO, 386 Park Ave. South, New York, NY 10016; Gerald R. Waters, Sr.

To demonstrate the effectiveness of a *labor-rehabilitation liaison service* which will facilitate and strengthen rehabilitation services for disabled workers.

RD-1310-G (64-5). NORTHEASTERN STUDIES IN VOCATIONAL REHABILITATION. Monographs 1--5. 1. Dependency and Its Implications for Rehabilitation. 2. Legislator Motivation for the Support of Rehabilitation Services. 3. A Study of Factors Influencing Counselor Motivation in the Six New England State Rehabilitation Agencies. 4. A Comparative Study of the Reduction of Dependency in Four Low-Income Housing Projects. 5. Changing Expectations: A Program of Rehabilitation for the Psycho-Socially Disabled. Northeastern Univ., Boston, MA 02115; Reuben J. Margolin, Ed.D.

To develop and conduct a program of *research in motivation and dependency* in rehabilitation and to assist public rehabilitation programs within the *Region* through *cooperative research* and consultative services. See also RD-1553; RD-3017.

XX. ADMINISTRATIVE OR PROGRAM STUDIES

RD-1347-G (64-1).* DISABILITY: ITS IMPLICATIONS FOR PLANNING PURPOSES, WITH ACCENT ON REHABILITATION OF THE MENTALLY RETARDED AND EMOTIONALLY DISTURBED. Oklahoma State Legislative Council, State Capitol, Oklahoma City, OK 73105; Jack Rhodes.

To study the extent of *mental disability* in Oklahoma and to demonstrate *legislative committee leadership* in attacking this problem.

RD-1411-G (64-3).* A COOPERATIVE VOCATIONAL REHABILITATION PROGRAM BETWEEN A STATE UNIVERSITY AND ORGANIZED LABOR. Rehabilitation Commission, Labor and Industry Bldg., John Fitch Plaza, Trenton, NJ 08625; Albert J. Humza.

To demonstrate a *cooperative program* between a public *vocational rehabilitation agency, a State university, and organized labor.*

RD-1437-G (64-3).* RRRI bulletins. 1. INTERPERSONAL RELATIONSHIPS: A REVIEW. 2. INTERPERSONAL RELATIONSHIPS IN REHABILITATION COUNSELING: A LITERATURE REVIEW. 3. INTERPERSONAL RELATIONSHIPS: FACTORS IN JOB PLACEMENT. 4. INTERPERSONAL RELATIONSHIPS: FACTORS IN RURAL REHABILITATION. Univ. of Utah, Salt Lake City, UT 84112; William M. McPhee, Ph.D.

To establish a *Regional Rehabilitation Research Institute* to study *interpersonal relationships* in rehabilitation as its core area of research. See also RD-1053.

RD-1438-G (64-5).* REHABILITATION RESEARCH IN AN ORTHOPAEDIC REHABILITATION TREATMENT AND TRAINING CENTER. Los Angeles Orthopaedic Medical Center, 2400 Flower St., Los Angeles, CA 90007; J. Vernon Luck, M.D.

To establish a *coordinator of research* to help organize research, build relationships with universities and other community resources, and foster exchange of information.

RD-1503-G (64-1).* TO PLAN A MODEL COMMUNITY REHABILITATION PROJECT. Rehabilitation Division, State Board of Vocational and Adult Education, 14 North Carroll St., Madison, WI 53703; Adrian Towne.

To plan a *model community rehabilitation project.* See also RD-1629.

RD-1507-G (64-1).* TO PLAN A COOPERATIVE PROGRAM WITH THE BOARD OF CORRECTIONS IN GEORGIA. Division of Vocational Rehabilitation, 129 State Office Bldg., Atlanta, GA 30303; A. P. Jarrell.

To plan and establish a *cooperative rehabilitation* program with the *Board of Corrections* in Georgia.

RD-1517-G (64-1).* STUDY ON DISABILITY FOR THE ARKANSAS LEGISLATIVE COUNCIL. Arkansas Legislative Council, State Capitol Bldg., Little Rock, AR 72201; Henry Kronenberg, Ph.D.

To study the *extent of disability* and the *resulting problems* in Arkansas as a basis for future State planning.

RD-1537-G (65-1).* HOLDING POWER FOR REHABILITATION. Oklahoma City Public Schools, 900 North Klein, Oklahoma City, OK 73106; Larry K. Hayes, Ed.D.

To demonstrate how *schools* may increase their *holding power*, especially with respect to *handicapped students.*

RD-1554-G (65-2).* A DEMONSTRATION PROJECT TO DETERMINE THE FEASIBILITY OF ESTABLISHING AN INFORMATION CENTER: RECREATION FOR THE HANDICAPPED. Southern Illinois Univ., Carbondale, IL 62903; Dr. William H. Freeberg.

To establish a center for the collection and dissemination of *information and materials* on *recreation* for the handicapped.

RD-1560-G (66-3).* OPERATIONS RESEARCH. Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; E. Paul Benoit, Ph.D.

To demonstrate the role of a director of research in *utilizing research* as a basis for *rehabilitation program* development.

RD-1613-G (65-4). MINNESOTA STUDIES IN VOCATIONAL REHABILITATION. Monographs 21-- . 21. Instrumentation for the Theory of Work Adjustment. 22. Manual for the Minnesota Satisfaction Questionnaire. 23. A Theory of Work Adjustment: A Revision. 24. Occupational Reinforcer Patterns. 25. The Measurement of Occupational Reinforcer Patterns. Univ. of Minnesota, Minneapolis, MN 55455; Lloyd H. Lofquist, Ph.D., and Rene V. Dawis, Ph.D.

To continue programmatic research on *work adjustment* of the handicapped. See also RD-171; RD-422.

RD-1621-G (65-3).* THE ELM HAVEN VOCATIONAL REHABILITATION UNIT. Community Progress, Inc., 270 Orange St., New Haven, CT 06511; Samuel Santoro.

To demonstrate *concerted services and an interdepartmental* approach to the disabled in a *low-income housing project.*

RD-1629-G (65-5). INTENSIVE VOCATIONAL REHABILITATION SERVICES USING NEW CONCEPTS. Division of Vocational Rehabilitation, Wisconsin Dept. of Health and Social Services, One West Wilson St., Madison, WI 53702; Adrian E. Towne.

To determine whether *extended concepts of service and eligibility* will increase significantly the numbers of persons rehabilitated. See also RD-1503; RD-1311.

RD-1630-G (65-3).* PROVIDING VOCATIONAL REHABILITATION SERVICES IN SPARSELY SETTLED AREAS OF WYOMING. Division of Vocational Rehabilitation , State Dept. of Education, Cheyenne, WY 82001; Robert E. Kelso.

To utilize *nonprofessionally trained women* as rehabilitation *aides* to serve clients in sparsely settled areas.

RD-1632-G (64-1).* DEMONSTRATION OF STATEWIDE PLANNING AND COORDINATION FOR REHABILITATION RESOURCES AND SERVICES. 2 vols. 1. Project Report. 2. Supplementary Report. Minnesota Society for Crippled Children and Adults, 2004 Lyndale Ave. South, Minneapolis, MN 55405; W. B. Schoenbohm.

To plan *Statewide coordination* of rehabilitation *resources and services*.

RD-1645-G (64-3).* WHAT HAPPENS NOW? State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Frank Tolliver.

To demonstrate the effectiveness of a program of vocational rehabilitation services to *selective service rejectees*.

RD-1650-G (64-1).* COORDINATION OF PUBLIC AND PRIVATE VOCATIONAL REHABILITATION PLANNING IN NEW MEXICO. Governor's Committee on Employment of the Handicapped, P.O. Box 1799, Albuquerque, NM 87103; Andrew Imrik, Ph.D.

To coordinate *public and private* vocational *rehabilitation planning* in New Mexico.

RD-1653-G (64-3).* THE UNFIT MAJORITY: A RESEARCH STUDY OF THE REHABILITATION OF SELECTIVE SERVICE REJECTEES IN SOUTH CAROLINA. South Carolina Dept. of Vocational Rehabilitation, 900 Assembly St., Room 403, Columbia, SC 29201; T. K. Fowler.

To provide vocational *rehabilitation for selective service rejectees* as soon as possible after their rejection.

RD-1658-G (64-3).* EXPERIMENTAL DEMONSTRATION PROJECT FOR SERVING SELECTIVE SERVICE REJECTEES. Georgia Division of Vocational Rehabilitation, 129 State Office Bldg., Atlanta, GA 30303; J. L. Hise.

To provide vocational *rehabilitation for selective service rejectees* as soon as possible after their rejection.

RD-1659-G (64-2).* A DEMONSTRATION OF THE EFFECTIVENESS OF VOCATIONAL REHABILITATION SERVICES TO SELECTIVE SERVICE REJECTEES. Arkansas Rehabilitation Service, 211 Broadway, Room 227, Little Rock, AR 72201; Thurber W. Owens.

To demonstrate the *effectiveness* of vocational *rehabilitation services to selective service rejectees*.

RD-1661-G (64-5). SOUTH CENTRAL ALASKA PROJECT. Office of Vocational Rehabilitation, Box 2568, Juneau, AK 99801; Carroll M. Craft.

To provide *rehabilitation services for handicapped Alaskans* to help in recovery from the earthquake and tidal action disaster of March 27, 1964. See also RD-1638.

RD-1667-G (64-1).* REHABILITATION TRAINING FOR FEMALE OFFENDERS. N.Y.C. Dept. of Corrections, 100 Centre St., New York, NY 10013; Sol Chaneles, Ph.D.

To test the feasibility of an *intensive* vocational rehabilitation effort for *women offenders* confined for a short period of time.

RD-1670-G (65-1).* THE BRIDGEPORT VOCATIONAL REHABILITATION PROJECT. Board of Education, 171 Harrison St., Bridgeport, CT 06604; Lester Silverstone.

To plan a demonstration project on a *city school system-State vocational rehabilitation agency cooperative approach* to serving the vocational rehabilitation needs of *adolescents*. See also RD-1818.

RD-1678-G (64-1).* A STATEWIDE SURVEY OF CONNECTICUT REHABILITATION REQUIREMENTS. Dept. of Finance and Control, State Capitol, Hartford, CT 06101; Andrew T. Rolfe.

To design a project to *survey the needs* of Connecticut's vocational rehabilitation program. See also RD-1740.

RD-1679-G (65-1).* TO DETERMINE THE NEED FOR A STATEWIDE COUNSELING AND VOCATIONAL REHABILITATION SERVICE FOR SERVING SELECTIVE SERVICE REJECTEES IN RHODE ISLAND. Division of Vocational Rehabilitation, 40 Fountain St., Providence, RI 02903; Edward J. Carley.

To determine the need for a Statewide counseling and vocational rehabilitation service for *selective service rejectees*. See also RD-1792.

RD-1680-G (65-1).* STUDY, ANALYSIS AND REPORT TO DEVELOP AN EFFECTIVE METHOD OF DISSEMINATION OF THE INFORMATION IN VOCATIONAL REHABILITATION TO THE PROFESSIONS AND THE PUBLIC. Airlie Foundation, Box 341, Warrenton, VA 22186; Clark Pangle.

To plan a *documentary motion picture* for effective dissemination of information on rehabilitation. See also RD-1738; RD-2491; RC-39.

RD-1685-G (65-1).* REPORT OF SURVEY BY THE GOVERNOR'S VOCATIONAL REHABILITATION STUDY COMMITTEE. State Dept. of Education, State Office Bldg., Montpelier, VT 05601; Charles L. Delaney.

XX. ADMINISTRATIVE OR PROGRAM STUDIES

To *study the statewide* vocational rehabilitation program.

RD-1697-G (65-3).* BUILDING A PIPELINE TO THE PUBLIC THROUGH AN ORGANIZED PUBLIC INFORMATION PROGRAM. Arkansas Rehabilitation Service, 211 Broadway, Room 227, Little Rock, AR 72201; L. D. Kerr.

To demonstrate what an organized program of *public information* can do to increase the *effectiveness* of a State vocational rehabilitation program.

Spec. rept. *Analysis of Statewide Survey of Adult Opinions and Attitudes Regarding Vocational Rehabilitation for Arkansas Rehabilitation Service*. 1965, 1966, 1967, eds.

Film. *"00-26."*

RD-1709-G (65-3).* REHABILITATING PUBLIC OFFENDERS. South Carolina Dept. of Vocational Rehabilitation, 900 Assembly St., Room 403, Columbia, SC 29201; T. K. Fowler.

To demonstrate the effectiveness of comprehensive and intensive *rehabilitation services to public offenders*.

RD-1712-M (65-3).* PROGRAMMED INSTRUCTION FOR AIDES IN PHYSICAL THERAPY. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Lucy V. McDaniel, Ed.D.

To develop and evaluate *teaching materials*, including units of programmed instruction, for training *aides* in physical therapy. See also RD-2846.

RD-1726-P (65-5). REHABILITATION STAFF STUDIES: A PROGRAM OF RESEARCH ON OCCUPATIONS AND PROFESSIONS IN THE FIELD OF REHABILITATION. Western Reserve Univ., Cleveland, OH 44106; Marvin B. Sussman, Ph.D.

To evaluate the impact of role definition, interaction, and professionalization on the *provision of rehabilitation services*--a sociological investigation.

RD-1738-G (65-1).* MODUS OPERANDI: "THE WASTED ONES." Airlie Foundation, Box 341, Warrenton, VA 22186; Clark Pangle.

A 1-year project to *produce and evaluate* a filmed report as an effective method for *dissemination of information* on vocational rehabilitation. See also RD-1680; RD-2491; RC-39.

Film. *The Wasted Ones*.

RD-1740-G (65-1).* STATE-WIDE SURVEY OF CONNECTICUT REHABILITATION REQUIREMENTS. Dept. of Finance and Control, State Capitol, Hartford, CT 06101; Andrew T. Rolfe.

To survey the *statewide* vocational rehabilitation *needs* of Connecticut. See also RD-1678.

RD-1763-G (65-3).* VOCATIONAL REHABILITATION NEEDS AND RESOURCES IN EASTERN KENTUCKY. Bureau of Rehabilitation Services, State Dept. of Education, Frankfort, KY 40601; Leon Meenach.

A study to determine the *vocational rehabilitation needs and resources* available in 39 counties of eastern Kentucky (*Appalachia*).

Spec. rept. *Attitudes and Social Characteristics of Vocational Rehabilitation Referrals*.

RD-1773-G (66-2).* A CENTRALIZED JOB PLACEMENT SYSTEM FOR DISABLED CLIENTS. Goodwill Industries of South Florida, 200 South Miami Ave., Miami, FL 33130; Mabel K. Gibby, Ed.D.

To demonstrate the efficiency of *coordinated, mechanized placement techniques*, using existing community organizations and easily adapted, inexpensive procedures.

RD-1792-G (65-3).* REHABILITATION POTENTIAL OF SELECTIVE SERVICE REJECTEES. Rhode Island Dept. of Education, Division of Vocational Rehabilitation, 40 Fountain St., Providence, RI 02903; Edward J. Carley.

A research project to determine rehabilitation potentials of *selective service rejectees* and *demonstrate effectiveness of expanded services*. See also RD-1679.

RD-1808-G (65-1).* VOCATIONAL REHABILITATION PROGRAMMING NEEDS OF THE DISTRICT OF COLUMBIA CHILDREN'S CENTER. District of Columbia Dept. of Vocational Rehabilitation, 1331 H St. N.W., Washington, DC 20005; Arlene A. Blaha.

A pilot study to determine the nature and scope of a program to serve the *vocational rehabilitation needs* at the D. C. *Children's Center*. See also RD-1985.

RD-1811-G (66-3).* THE APPLICATION OF PROGRAMMED INSTRUCTION TO VOCATIONAL REHABILITATION STAFF TRAINING. Univ. of South Florida, Dept. of Psychology, Tampa, FL 33620; Paschal Strong, Ph.D.

To develop courses of *programmed instruction* for the professional staff of State divisions of vocational rehabilitation.

RD-1818-G (66-5). VOCATIONAL REHABILITATION AND COOPERATIVE EDUCATION. Board of Education, City Hall, 171 Harrison St., Bridgeport, CT 06604; Paul A. Lane, Ph.D.

To demonstrate the effectiveness of a *cooperative, school-based* vocational rehabilitation program for *handicapped school-age youths*, 14 to 21. See also RD-1670.

Spec. repts. Monograph series. 1. *Vocational Rehabilitation Within Public Education*. 2. *Theoretical Foundations of the Rehabilitation Process*. 3. *Planning Procedures: Vocational Rehabilitation in Public Education*. 4. *The Reha-*

bilitation Counselor. 5. *The School Rehabilitation Counselor.*

RD-1838-P (65-1).* CONFERENCE OF VRA PSYCHO-SOCIAL STUDY COMMITTEE, APRIL 3-4, 1965. Jewish Vocational Service, One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.

A planning *conference* to define role, function, and responsibilities of members of the Psycho-Social Study Section.

RD-1839-G (65-1).* PLANNING VOCATIONAL REHABILITATION SERVICE FOR DISABLED FEDERAL OFFENDERS. Division of Vocational Rehabilitation, State Board of Vocational Education, P.O. Box 526, Olympia, WA 98501; Percy B. Bell.

To plan vocational rehabilitation services for *disabled Federal offenders*. See also RD-2079.

RD-1851-G (66-3). VOCATIONAL REHABILITATION SERVICE IN A PROGRAM TO HELP LOW-INCOME PUBLIC HOUSING FAMILIES IMPROVE THE QUALITY OF FAMILY LIVING. Greater Cleveland Neighborhood Centers Assn., 101 Huron Road, Cleveland, OH 44115; Mrs. Elizabeth Fajen.

To demonstrate the effectiveness of utilizing the *group approach* to increase levels of *motivation* and readiness for vocational rehabilitation services on the part of disabled persons.

RD-1922-G (66-3). VOCATIONAL REHABILITATION OF CULTURALLY DISADVANTAGED, EMOTIONALLY DISTURBED PERSONS, FEATURING INDIGENOUS AIDES. Columbia Univ., College of Physicians and Surgeons, 620 West 168th St., New York, NY 10032; June J. Christmas, M.D.

To demonstrate the effectiveness of new patterns of *community-based* rehabilitation services for *culturally disadvantaged, emotionally disturbed* patients and to explore the value of *using indigenous nonprofessionals* in specific treatment roles.

RD-1924-G (66-3).* SELF HELP IN TRANSITION FROM HOSPITAL TO COMMUNITY. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Victor Cummings, M.D., and Bernard Kutner, Ph.D.

To develop a *community-based program to promote the reintegration* of *formerly hospitalized disabled persons* and their families within the community through the efforts of its *indigenous members*.

RD-1970-G (66-2).* RECOMMENDATIONS FOR A COMPREHENSIVE MULTI-DISCIPLINARY VOCATIONAL REHABILITATION CENTER IN MARYLAND. Governor's Study Group on Vocational Rehabilitation, State Office Bldg., 301 West Preston St., Baltimore, MD 21201; Raymond I. Muller.

To conduct a comprehensive *study* of the vocational rehabilitation *needs of the disabled* in Maryland and develop a long-range plan to meet these needs.

RD-1987-G (66-3).* OPERATIONS RESEARCH. Division of Vocational Rehabilitation, Dept. of Education, Hato Rey, PR 00919; Norman Matlin, Ph.D.

To establish an *operations research* unit within the agency.

RD-2061-G (68-5).* COORDINATOR OF RESEARCH AT VOCATIONAL GUIDANCE AND REHABILITATION SERVICES. Vocational Guidance and Rehabilitation Services, 2239 East 55th St., Cleveland, OH 44103; Richard O'Toole.

To demonstrate the value of a *coordinator of research* in a multiagency rehabilitation work center.

RD-2084-G (66-3). OPERATIONS RESEARCH: A PROJECT TO DEMONSTRATE THE ROLE OF A DIRECTOR OF RESEARCH IN A STATE REHABILITATION AGENCY. Dept. of Vocational Rehabilitation, Room 314, 4615 West Broad St., Richmond, VA 23230; Dale E. Hanks.

To demonstrate the *role* of a director of research in *utilizing research* as a basis for State rehabilitation *program development*.

RD-2087-P (66-1).* DEVELOPMENT OF AN INTER-UNIVERSITY CONSORTIUM IN THE CROSS-CULTURAL STUDY OF VOCATIONAL DISABILITY. Center for the Study of Man, Univ. of Notre Dame, Notre Dame, IN 46556; George N. Shuster.

To plan for the development of programmatic research in the *cross-cultural aspects of vocational rehabilitation*.

RD-2088-G (66-4). COMMUNITY ORGANIZATION AND RESOURCES FOR REHABILITATION. Univ. of Arizona, Tucson, AZ 85721; David W. Smith, Ph.D.

To carry out a comprehensive analysis of *resources and community organization* for the provision of vocational rehabilitation services.

Spec. repts. Community Resources Project Interim Reports. 1. *Community Organization With the Deaf.* 2. *Community Decision Making for Rehabilitation.*

RD-2104-G (66-4). REGIONAL REHABILITATION RESEARCH INSTITUTE. Univ. of Washington, Seattle, WA 98105; Robert W. MacDonald, Ph.D.

To establish a *regional rehabilitation research institute* with a core area of research on the *role of the family* in the vocational rehabilitation process.

RD-2108-G (66-1).* A LIBRARY PHOTODUPLICATION SERVICE TO PERSONS ENGAGED IN REHABILITATION RESEARCH. Natl. Society for Crippled Children

and Adults, 2023 West Ogden Ave., Chicago, IL 60612; Earl C. Graham.

A 1-year pilot project to determine if a *library photoduplication service* for rehabilitation personnel is needed.

RD-2179-G (66-1).* BROCKTON AREA MULTI-SERVICE CENTER FEASIBILITY STUDY. Medical Foundation, 227 Commonwealth Ave., Boston, MA 02116; Henry Wechsler, Ph.D.

A pilot project to determine the feasibility of establishing regional *multiservice centers* in Massachusetts.

RD-2296-G (66-1).* A STUDY OF INTERACTION AND COMMUNICATION WITHIN THE COUNSELOR-FOREMAN-CLIENT WORKSHOP HIERARCHY IN WORK ADJUSTMENT PROGRAMS. Wayne State Univ., 4847 Cass Ave., Detroit, MI 48201; Mary Ann Tydlaska, Ph.D.

A pilot project to study *patterns of relationships* within a workshop using psychological and production measures, and to *evaluate the effectiveness* of techniques employed as determined by *work adjustment of clients*.

RD-2303-G (66-1).* PRELIMINARY OPERATIONS ANALYSIS OF VOCATIONAL REHABILITATION FUNCTIONS IN VIRGINIA, MARYLAND, AND THE DISTRICT OF COLUMBIA. Virginia Dept. of Vocational Rehabilitation, P.O. Box 11045, Richmond, VA 23230; Don W. Russell.

To conduct an *operations analysis* of the vocational rehabilitation programs of Virginia, Maryland, and the District of Columbia preliminary to developing a *model cost-effectiveness system* which may be utilized by both the Federal and State rehabilitation programs.

RD-2339-M (67-1).* A STUDY OF THE FEASIBILITY OF ESTABLISHING A FREE STANDING MEDICAL REHABILITATION FACILITY IN THE STATE OF ARKANSAS. Univ. of Arkansas Medical Center, Little Rock, AR 72201; Benjamin W. Drompp, M.D.

To study the feasibility of establishing a freestanding *medical rehabilitation facility* in the State of Arkansas.

RD-2370-G (67-3). UNION-BASED SELECTIVE PLACEMENT OF DISABLED WORKERS. New York City Central Labor Council, AFL-CIO, 386 Park Ave. South, New York, NY 10016; Gerald R. Waters, Sr.

To demonstrate the effectiveness of a union-based *selective placement program for disabled union members* and their families.

RD-2427-G (67-1). WORK RELEASE: FACTORS IN SELECTION AND RESULTS. Southern Illinois Univ., Carbondale, IL 62903; E. H. Johnson, Ph.D.

To determine the relevance of *work release as a means of reducing* the psychological and sociological *isolation of the institutionalized offender* from the larger community.

RD-2473-G (67-4). EFFECTIVENESS OF A VOCATIONAL REHABILITATION PROGRAM IN A MAXIMUM SECURITY PRISON. State Education Dept., Division of Vocational Rehabilitation, Albany, NY 12210; Charles R. Van Boskirk.

To demonstrate the effectiveness of a *vocational rehabilitation* program within a *maximum security prison* to serve physically disabled adult male inmates.

RD-2491-G (67-1).* TO FURTHER IMPLEMENT A PREVIOUSLY TESTED METHODOLOGY FOR THE DISSEMINATION OF INFORMATION TO THE PROFESSIONS AND THE PUBLIC IN THE FIELD OF VOCATIONAL REHABILITATION. Airlie Foundation, Warrenton, VA 22136; William Templeton.

A 1-year project to demonstrate a technique for *disseminating information* about vocational rehabilitation to the public and the professions. See also RD-1680; RD-1738; RC-39.

RD-2492-G (67-1).* PREPARATION OF COMPREHENSIVE VOCATIONAL REHABILITATION PLAN FOR THE WASHINGTON METROPOLITAN AREA. Metropolitan Washington Council of Governments, 1250 Connecticut Ave. N.W., Washington, DC 20036; Charles H. Gill, Jr.

A pilot study to determine the feasibility of *comprehensive* vocational rehabilitation *planning* for the National capital region. See also RD-2683.

RD-2501-G (68-3). APPLICATION AND ANALYSIS OF STATISTICAL DATA RELATED TO STANDARDIZED ACCOUNTING BASES IN SHELTERED WORKSHOPS AND REHABILITATION CENTERS. Goodwill Industries of America, 9200 Wisconsin Ave. N.W., Washington, DC 20036; Robert N. Galloway.

To establish a *national reporting system* of financial management data on the *sheltered workshops* of Goodwill Industries and some additional interested workshops. See also RD-2181.

RD-2506-G (68-4). STUDY OF WORK-FURLOUGH. San Jose State College Foundation, San Jose, CA 95114; George Williams.

To evaluate the effectiveness of the *work-furlough program* of Santa Clara County Jail.

RD-2586-G (68-3). INTERAGENCY RELATIONSHIPS. Natl. Rehabilitation Assn., Council of State Administration of Vocational Rehabilitation, 1522 K St. N.W., Washington, DC 20005; E. B. Whitten.

To demonstrate that a *voluntary organization* closely identified with the public vocational rehabilitation program can provide *helpful services* which will enable rehabilitation agencies to make maximum use of related program resources and *avoid duplication* of effort.

XX. ADMINISTRATIVE OR PROGRAM STUDIES

RD-2589-G (67-3). RESEARCH DIRECTOR. Division of Vocational Rehabilitation, State Dept. of Education, 725 South Bronough St., Tallahassee, FL 32304; Craig Mills.

To *identify researchable problems* in vocational rehabilitation, *stimulate and coordinate* research with the State, and assist in interpreting research results for application in the public program.

RD-2634-G (68-3). ROLE OF LABOR, MANAGEMENT, A UNIVERSITY, AND A PUBLIC VOCATIONAL REHABILITATION AGENCY IN SERVING THE DISADVANTAGED. New Jersey Rehabilitation Commission, Labor and Industry Bldg., John Fitch Plaza, Trenton, NJ 08625; Al Humza.

To demonstrate the *role of labor, management, a university, and the vocational rehabilitation agency* in locating and serving disabled workers, particularly the *disadvantaged*.

RD-2655-G (68-5). OPERATIONS RESEARCH. Jewish Employment and Vocational Service, 1727 Locust St., St. Louis, MO 63103; Harry Kaufer.

To establish a *Director of Research* at the Jewish Employment and Vocational Service.

RD-2683-G (68-2). COMPREHENSIVE VOCATIONAL REHABILITATION PLAN FOR THE NATIONAL CAPITOL REGION. Metropolitan Washington Council of Governments, 1250 Connecticut Ave. N.W., Washington, DC 20036; Jim F. Young.

To develop a *comprehensive regional plan* for the orderly development of services and resources, both public and nonprofit private, in the metropolitan Washington area. See also RD-2492.

RD-2710-G (68-1). A STRUCTURED INTERVIEW FOR SELECTION OF REHABILITATION COUNSELING PERSONNEL: A FEASIBILITY STUDY. American Public Health Assn., 1740 Broadway, New York, NY 10019; Lillian D. Long, Ph.D.

To determine the feasibility of developing a *standardized interview procedure* for use by State and voluntary rehabilitation agencies in the selection and hiring of *subprofessional personnel*.

RD-2730-G (68-1).* ORGANIZATION FOR SOCIAL SERVICES ADMINISTRATION, STATE OF IOWA. Office for Planning and Programming, State of Iowa, Des Moines, IA 50319; Frank M. Covington.

A pilot project to demonstrate how *optimum social and rehabilitation services* can be provided individuals through development of effective organizational and program relationships, program plans, and allocation of resources when two or more agencies are combined into a single service unit.

RD-2780-G (69-1). A DESCRIPTIVE STUDY OF SUPERVISORY PRACTICES AS PERCEIVED BY COUNSELORS IN STATE VOCATIONAL REHABILITATION AGENCIES. Indiana Univ. Foundation, Bloomington, IN 47401; Stanley J. Smith, Ph.D.

A feasibility study to determine whether *in-service training programs* are needed to change current *supervisory behavior* in vocational rehabilitation.

RD-2837-G (68-1). GOALS AND BASIC UNITS OF INSTRUCTION FOR TREATMENT MEDIA COURSES FOR THE PREPARATION OF OCCUPATIONAL THERAPISTS. Wayne State Univ., Detroit, MI 48202; G. Harold Silvius, Ed.D.

To ascertain and establish the essential major goals for treatment media college courses for the *training of occupational therapists*.

RD-2846-M (68-3). PROGRAMMED INSTRUCTION FOR SUPPORTIVE PERSONNEL IN PHYSICAL THERAPY. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Lucy V. McDaniel, Ed.D.

To *develop programmed instruction* for training of *physical therapy* aides and assistants. See also RD-1712.

RD-2874-G (68-1). RESEARCH UTILIZATION AND DISSEMINATION: PROCEEDINGS OF A REGIONAL CONFERENCE. Univ. of Florida, Gainesville, FL 32601; John E. Muthard, Ph.D.

To conduct a regional *conference* on research utilization and collaborative operational research.

RD-2875-G (68-1). THE ORGANIZATION, MANAGEMENT, AND TACTICS OF SOCIAL RESEARCH. Vocational Guidance and Rehabilitation Services, 2239 East 55th St., Cleveland, OH 44103; Richard O'Toole, Ph.D.

To conduct a *symposium* on the *organization, management, and tactics of social research*.

RD-2910-G (69-5). ESTABLISHING AN OPERATIONS RESEARCH PROGRAM. South Carolina Vocational Rehabilitation Dept., State Office Bldg., 400 Wade Hampton, Columbia, SC 29201; Charles S. Chandler, Ph.D.

To estalish the position of *research director* to stimulate prospective researchers to consider VR problems, consult with present and prospective VR researchers, and conduct operational research in his own agency.

RD-2923-G (69-2). COMMUNITY ORGANIZATION TECHNIQUES FOR ACHIEVING A BETTER ENVIRONMENT FOR THE PHYSICALLY IMPAIRED. Natl. Easter Seal Society for Crippled Children and Adults, 2013 West Ogden Ave., Chicago, IL 60612; Mrs. Eleanor J. Bader.

An action program to remove and, more importantly, prevent *architectural barriers* to the handicapped.

RD-2981-M (69-3). DEVELOPMENT OF THE AMERICAN CONGRESS OF REHABILITATION MEDICINE INTO A MULTIDISCIPLINARY PROFESSIONAL SOCIETY. American Congress of Rehabilitation Medicine, 30 North Michigan Ave., Chicago, IL 60602; William A. Spencer, M.D.

To promote the *development* of the *American Congress of Rehabilitaion Medicine* into a dynamic and truly *multidisciplinary professional organization*. See also RD-2478.

RD-2987-G (69-3). PROGRAM INFORMATION AND EVALUATION SYSTEM. Dept. of Vocational Rehabilitation, 680 Cottage St. N.E., Salem, OR 97310; Dwight E. Hauger.

The development of a *model* program evaluation system (*PPB*) for a *DVR agency*.

RD-3027-G (69-5). COORDINATOR OF RESEARCH - GEORGIA RETARDATION CENTER. Georgia Dept. of Public Health, 47 Trinity Ave. S.W., Atlanta, GA 30334; Roy E. Fossett, Ph.D.

To establish the position of *research director*.

RD-3117-G (69-3). DEVELOPMENT OF A MODEL FOR INTEGRATED PLANNING, PROGRAMMING, AND BUDGETING IN A DVR AGENCY. Division of Vocational Rehabilitation, Dept of Health and Social Services, One West Wilson St., Madison, WI 53703; Dr. Edward J. Pfeifer.

The development of a *model system* for program and performance evaluation (PPB) in State DVR agencies.

RD-3714-RU (69-1). INFORMATION EXCHANGE PROGRAM FOR REHABILITATION RESEARCH AND TRAINING CENTERS. The George Washington Univ., Office of the Vice President and Treasurer, Washington, DC 20006; Charles W. Shilling, M.D.

A pilot study to determine the feasibility of establishing within the Research and Training Centers Division a current awareness and *information exchange program* for directors and staff of the various *Research and Training Centers* supported by SRS.

RC-2-G (60-1).* TO LIVE AGAIN. Film. Norwood Studios, 926 New Jersey Ave. N.W., Washington, DC 20001; Philip Martin.

To develop a comprehensive educational and informational *film* to demonstrate the significance of the *public vocational rehabilitation* program to the health, social, and economic structures of the United States.

RC-39-G (66-1). MODUS OPERANDI: "THE WASTED ONES". Airlie Foundation, Box 341, Warrenton, VA 22186; Clark Pangle.

To *field test* "The Wasted Ones" and evaluate the effect of showing the movie on prime TV time in a number of major cities. See also RD-1680; RD-1738; and RD-2491.

RC-54-G (68-1). A COMPREHENSIVE STUDY OF FINAL REPORTS OF STATEWIDE PLANNING PROJECTS. Harbridge House, 11 Arlington St., Boston, MA 02116; Elmer N. Engstrom.

A study and analysis of *statewide planning* efforts, with an interim report for use at the *National Citizens Conference on Rehabilitation of the Disabled and Disadvantaged*.

Over a period of time, 13 different **Regional Rehabilitation Research Institutes** have been established with the following basic purposes:

1. To develop a program of research in an area important to vocational rehabilitation, the Institute having available to it universitywide resources in the conduct of such research (i.e., work adaptability of the physically disabled, the role of motivation in rehabilitation, etc.).

2. To stimulate State rehabilitation agencies to become curious about their operational problems which might be subject to research and to provide consultation to such State agencies on research methods, design, etc.

3. To participate in the conduct of operational research at the request of State rehabilitation agencies and the VRA headquarters and Regional offices.

Listed below are the Regional Rehabilitation Research Institutes currently operational. For projects that were once Institutes but are not now operational, see RD-422, RD-1053, RD-1127, RD-1310, RD-1437, and RD-2104.

RD-1311-G (64-5).* WISCONSIN STUDIES IN VOCATIONAL REHABILITATION. Monographs 1-- . 1. Rehabilitation Counselor Functions: Annotated References. 2. A Survey of Counselor Perceptions. 3. Counselor Problems Associated With Client Characteristics. 4. Counselor Perceptions of Professional Development. 5. Research Media. 6. Caseload Feasibility in an Expanded

Vocational Rehabilitation Program. 7. Clinical Versus Statistical Predictions of Client Feasibility. 8. Counseling Problems Associated With Counselor Characteristics. 9. An Instrument for te Measurement of Counselor Orientation. 10. Counselor Orientation: Relationship With Responsibilities and Performance. Univ. of Wisconsin, 400 Babcock Drive, Madison, WI 53706; George N. Wright, Ph.D.

To establish a *regional rehabilitation research institute* in cooperation with public rehabilitation agencies and to conduct specific research in *rehabilitation counseling*. See also RD-1629.

RD-1967-G (66-5). ADMINISTRATION AND MANAGEMENT: A SELECTED AND ANNOTATED BIBLIOGRAPHY. Monograph 1. Univ. of Oklahoma, 1808 Newton Drive, Norman, OK 73069; Harold D. Viaille.

To estalish a regional rehabilitation research *institute* to engage in *applied, demonstration, and developmental research* in the *administration and management of State* vocational rehabilitation programs.

RD-2040-G (66-5). REGIONAL REHABILITATION RESEARCH INSTITUTE ON SHELTERED WORKSHOPS. Univ. of Maryland, College Park, MD 20742; E. D. Crosby.

To establish a *regional rehabilitation research institute* with a core area of research on the *process and physical environmental aspects* of *sheltered workshops*.

RD-2075-G (66-5). STUDIES IN BEHAVIOR AND REHABILITATION. Monographs 1-- . 1. Conceptual Framework for the Analysis of Work Behavior in Sheltered Workshops. Cornell Univ., Ithaca, NY 14850; William J. Wasmuth.

To establish a *regional rehabilitation research* institute with a core area of research in *organization and administration of sheltered workshops*.

Spec. repts. Research Reports Series: Organization and Administration of Sheltered Workshops. 1. *Wage Levels in Sheltered Employment*. 2. *Professional Staffing in Sheltered Workshops*. 3. *The Financial Structure of Sheltered Workshops*.

RD-2326-G (67-5). REGIONAL REHABILITATION RESEARCH INSTITUTE. Curators of the Univ. of Missouri, 110 Jesse Hall, Columbia, MO 65201; J. F. McGowan, Ed.D.

To establish a *regional rehabilitation research institute* in cooperation with State and local agencies to study the rehabilitation of the *economically and culturally disadvantaged client*.

RD-2870-G (68-5). PERSONNEL UTILIZATION IN REHABILITATION PROFESSIONS AND SERVICES. Univ. of Florida, Gainesville, FL 32601; John E. Muthard, Ph.D.

A 5-year project to renew the *Regional Rehabilitation Research Institute* at the University of Florida, with a core area on personnel utilization in rehabilitation professions and services. See also RD-1127.

RD-3017-G (69-5). NORTHEASTERN STUDIES IN VOCATIONAL REHABILITATION. Monographs 6-- 6. The Utilization of Rehabilitation Research: Concepts, Principles, and Research. Office of Research Administration, Northeastern Univ., 360 Huntington Ave., Boston, MA 02115; Reuben J. Margolin, Ed.D.

To establish a regional rehabilitation research institute with a core area of research on the relationship between motivation and *dependency*; to provide research consultation to official DVR agencies and to undertake special research at the request of the Regional Office when approved by SRS Central Office. See also RD-1310.

The following are a group of collaborative demonstration projects arranged through the cooperative efforts of the U.S. Bureau of Prisons, the U.S. Board of Parole, the administrative offices of the U.S. Courts, the Vocational Rehabilitation Administration, and the various State rehabilitation agencies listed below. The purpose of these projects was to test and demonstrate three strategies for providing rehabilitation services to disabled Federal public offenders. Their combined findings were published in a special report by Project RD-2079. All projects dealt with male offenders except the Chicago project, RD-2082, which dealt with females.

RD-2077-G (66-3).* PITTSBURGH FEDERAL OFFENDERS REHABILITATION PROJECT. Bureau of Vocational Rehabilitation, Labor and Industry Bldg., Harrisburg, PA 17120; John J. Gordon.

RD-2078-G (66-3).* ATLANTA FEDERAL OFFENDERS REHABILITATION PROJECT. Georgia Division of Vocational Rehabilitation, 129 State Office Bldg., Atlanta, GA 30334; W. A. Crump.

RD-2079-G (66-5). FEDERAL OFFENDERS REHABILITATION PROGRAM. Division of Vocational Rehabilitation, State Board of Vocational Education, P.O. Box 528, Olympia, WA 98501; Percy B. Bell. See also RD-1839.

Spec. rept. *Correctional Rehabilitation: Boom or Bust?*

XX. ADMINISTRATIVE OR PROGRAM STUDIES

RD-2080-G (66-3).* TEXAS FEDERAL OFFENDERS REHABILITATION PROJECT. Division of Vocational Rehabilitation, Texas Education Agency, Capitol Station, Austin, TX 78711; E. H. Stendebach.

RD-2081-G (66-3).* FEDERAL OFFENDERS REHABILITATION PROJECT. Colorado Dept. of Rehabilitation, 705 State Services Bldg., Denver, CO 80203; Alfred W. Simpson.

RD-2082-G (66-3).* CHICAGO FEDERAL OFFENDER REHABILITATION PROJECT. Illinois Divison of Vocational Rehabilitation, 623 East Adams St., Springfield, IL 62706; John A. Collins.

RD-2083-G (66-3).* SPRINGFIELD FEDERAL OFFENDERS REHABILITATION PROJECT. Illinois Division of Vocational Rehabilitation, 623 East Adams St., Springfield, IL 62706; John A. Collins.

RD-2186-G (66-3).* TAMPA FEDERAL OFFENDERS REHABILITATION PROJECT. Division of Vocational Rehabilitation, Room 254, State Office Bldg., 725 South Bronough St., Tallahassee, FL 32304; Kyle M. Tallant.

RD-139 (57-1).* A STUDY OF FACTORS AFFECTING REHABILITATION TEAM FUNCTIONING. Univ. of Buffalo Sch. of Medicine, Buffalo, NY 14214; M. D. Brooks.

To study the factors which affect rehabilitation *team functioning* in order to improve the operation of rehabilitation centers.

RD-192 (57-3).* STATUS AND ABILITY: A STUDY OF FACTORS INFLUENCING THE REHABILITATION OF PHYSICALLY DISABLED PERSONS. Health and Welfare Council of the Baltimore Area, 22 Light St., Baltimore, MD 21202; D. J. Kallen, Ph.D.

To undertake a comprehensive study of *factors motivating* handicapped and nonhandicapped people *towards independence* in several types of *urban neighborhoods*.

RD-218 (58-3).* PROJECT TO DETERMINE THE REHABILITATION POTENTIAL IN INDIVIDUALS SERVED BY PUBLIC WELFARE AND HEALTH AGENCIES. Dept. of Health, Commonwealth of Puerto Rico, Santurce, PR 00909; R. A. Ferrer, M.D.

To determine the rehabilitation needs and potentials among individuals served by *public health and welfare agencies* and to initiate a *coordinated action* program.

RD-291 (58-1).* THE ASSESSMENT OF COLLEGE EXPERIENCE OF SEVERELY HANDICAPPED INDIVIDUALS. Univ. of Florida, Gainesville, FL 32603; Darrel J. Mase, Ph.D.

To evaluate *college experiences* of severely handicapped persons in six States in *relation* to occupational success and personal *adjustment*.

RD-300 (58-3).* A PROJECT TO DEMONSTRATE THE EFFECTIVENESS OF THE EARLY INITIATION, TOTAL INTEGRATION, AND COMPREHENSIVE FOLLOW-UP OF REHABILITATION SERVICES FROM A COUNTY HOSPITAL. Attending Staff Assn., Los Angeles Co. Hospital, 1200 North State St., Los Angeles, CA 90033; Elizabeth Austin, M.D.

To demonstrate how the resources of a large county hospital can be organized with the *community* for planning effective *coordination of in-hospital rehabilitation services*.

RD-376 (59-2).* THE PHYSICAL AND EMOTIONAL DEMANDS UPON DISABLED WORKERS INVOLVED IN THE OPERATION OF COMPLEX MACHINE EQUIPMENT. Human Resources Foundation, Division of Abilities, Albertson, NY 114507; Henry Viscardi, Jr.

To redefine traditional *worker trait requirements* based on the success demonstrated by disabled workers in the *use of complex machinery*.

RD-381 (59-2).* FUNCTIONAL FASHIONS FOR THE PHYSICALLY HANDICAPPED. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To design, test, and develop *special clothing* for the physically handicapped which will aid in making the severely disabled more self-sufficient.

RD-392 (59-1).* SURVEY OF VOLUNTARY REHABILITATION EXPENDITURES. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; E. B. Whitten.

To secure and analyze representative information on *expenditures by voluntary agencies* for the rehabilitation of the handicapped during the period 1954-1958.

RD-547 (61-4).* REHABILITATION OF RURAL HOMEMAKERS IN THEIR OWN HOMES. Univ. of Vermont, Burlington, VT 05401; Esther Knowles.

To demonstrate and evaluate means for rehabilitating *disabled homemakers* in their own homes for more effective homemaking.

Spec. rept. *A guide for Training Instructors in Homemaking Activities for the Disabled.*

RD-584 (60-1).* STUDY OF DEVELOPMENT OF REHABILITATION RESOURCES IN A STATE UNIVERSITY. State Univ. of Iowa, Iowa City, IA 52240; Wendell Johnson, Ph.D.

To study the development of *rehabilitation resources* in a State *university*.

RD-622 (61-2).* THE DEVELOPMENT OF RESEARCH IN VOCATIONAL REHABILITATION. Univ. of Florida, College of Health Related Services, Gainesville, FL 32603; Darrel J. Mase, Ph.D.

To demonstrate the potential for *rehabilitation research* in the multidisciplinary environment of a *university*.

RD-638 (60-1).* REHABILITATION SERVICES IN A LABOR HEALTH CENTER. Group Health Assn. of America, 343 South Dearborn St., Chicago, IL 60604; Terence E. Carroll.

To plan a demonstration of more *comprehensive rehabilitation* services for patients participating in prepaid *health insurance programs*. See also RD-1752.

RD-650 (61-1).* ANALYSIS OF EFFECTIVE AND INEFFECTIVE INSTANCES OF OCCUPATIONAL THERAPY PRACTICE FOR THE DEVELOPMENT OF CASE STUDY TEACHING MANUALS. American Occupational Therapy Assn., 250 West 57th St., New York, NY 10019; Wilma L. West, OTR.

An analysis of effective and ineffective instances of *occupational therapy practice*, with special emphasis in the area of rehabilitation.

RD-696 (61-2).* DEVELOPMENT OF A PLANNING SERVICE TO PROMPTLY ADAPT THE HOME KITCHENS OF

HANDICAPPED HOMEMAKERS TO THEIR INDIVIDUAL REQUIREMENTS. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Howard A. Rusk, M.D.

To develop special planning guides and other technical aids to assist in the *adaptation* of standard *kitchens* to the individual needs of *handicapped homemakers*.

Spec. rept. *Planning Kitchens for Handicapped Homemakers*.

RD-783-M (61-2).* CONTINUED CARE THROUGH THE RELATION OF HOSPITAL CARE TO COMMUNITY RESOURCES AND REHABILITATION. Duke Univ. Medical Center, Durham, NC 27706; J. H. Semans, M.D.

To plan a study of the feasibility and effectiveness of *continued rehabilitation services for discharged hospital patients* through organization of hospital, vocational, and *community resources*. See also RD-1426.

RD-789-G (61-3).* A COOPERATIVE RESIDENTIAL TRAINING PROJECT FOR MOTHERS RECEIVING PUBLIC ASSISTANCE GRANTS FOR AID TO DEPENDENT CHILDREN. District of Columbia Dept. of Vocational Rehabilitation, Government of the District of Columbia, 1331 H St. N.W., Washington, DC 20005; Leonard M. Hill.

To demonstrate the value of a cooperative *residential vocational training* program for *disabled mothers* who are *recipients* of public assistance grants for *aid to dependent children*.

RD-810-G (62-5).* VOCATIONALLY HANDICAPPED MONTANA INDIANS: REHABILITATION BY COLLEGE EDUCATION. Northern Montana College, Havre, MT 59501; Mac Johnson.

To identify *disabled Indians* residing on several reservations who may be assisted by *vocational training and rehabilitation* services.

RD-819-M (62-4).* CULTURAL AND PERSONALITY FACTORS AFFECTING THE ADEQUACY OF GRADUATE MEDICAL TRAINING OF FOREIGN PHYSICIANS IN THE UNITED STATES. Inst. of International Education, 800 Second Ave., New York, NY 10017; Howard A. Rusk, M.D.

To identify and study academic, personal, and cultural factors which influence the adequacy of *physical medicine and rehabilitation training* in this country for *foreign medical students*.

RD-823-M (62-3).* THE NOME REHABILITATION PROJECT. Maynard McDougall Memorial Hospital, Nome, AK 99762; John A. Barrow III, M.D.

A study of *rehabilitation services*, techniques, and concepts applicable to complex disability problems of *Alaskan* citizens, and the development of *community participation* in rehabilitation activities.

RD-1119-G (63-3).* EARLY REFERRAL: A DEMONSTRATION OF EARLY EVALUATION OF REHABILITATION POTENTIAL OF PUBLIC ASSISTANCE RECIPIENTS. Dept. of Rehabilitation, 1500 Fifth St., Sacramento, CA 95814; Stanley M. Merrill.

To demonstrate the effectiveness of counselor *screening of public assistance cases* at intake for the early identification of greater numbers of disabled persons eligible for rehabilitation.

RD-1181-P (63-1).* COORDINATING SERVICES FOR HANDICAPPED CHILDREN. Natl. Rehabilitation Research and Scholarship Fund, 1029 Vermont Ave. N.W., Washington, DC 20005; William C. Geer.

To hold a *conference* and develop a report on optimal methods of *coordinating* the efforts of different *agencies* dealing with retarded or otherwise handicapped children and *youth*.

RD-1213-G (63-4).* COOPERATIVE PROGRAM FOR REHABILITATION OF THE DISABLED INDIAN. Arizona State College, Flagstaff, AZ 86001; Norman B. Henderson, Ph.D.

To develop methods to overcome *language and cultural barriers* in rehabilitating *Navajo Indians*.

RD-1250-G (64-5).* REHABILITATION VERSUS POVERTY. Vocational Rehabilitation Agency, 7th Floor, Jefferson Bldg., Jefferson City, MO 65102; Al McDaniel.

To demonstrate the value and effectiveness of intensive *rehabilitation* services for *disabled* persons residing in a *low-income public housing* settlement.

RD-1337-G (64-3).* SHORT TIME VOCATIONAL REHABILITATION OF OASDI APPLICANTS. Dept. of Vocational Rehabilitation, Government of the District of Columbia, 1331 H St. N.W., Washington, DC 20005; Leonard M. Hill.

To demonstrate the value of early intensive directive *counseling* on the placement of disabled persons applying for *disability benefits*.

RD-1426-M (63-5).* CONTINUING CARE THROUGH THE RELATION OF HOSPITAL CARE TO COMMUNITY RESOURCES AND REHABILITATION. Duke Univ. Medical Center, Box 338, Durham, NC 27706; Robert A. Gregg, M.D.

To improve care and vocational rehabilitation of *discharged patients by supplying the physician* with information of the *patient's home and community resources* and to activate and coordinate these resources.

RD-1633-G (65-3).* ROAD TO INDEPENDENCE: COMPREHENSIVE EVALUATION AND VOCATIONAL REHABILITATION SERVICES TO DISABLED ASSISTANCE CLIENTS IN A RESIDENTIAL REHABILITATION CENTER. Crotched Mountain Foundation, Greenfield, NH 03047; Mary Ruth Pippen.

XXI. ADDITIONAL PROJECTS IN VOCATIONAL REHABILITATION

To demonstrate that serving disabled *public assistance clients* in a *residential rehabilitation center* will increased their employment potentials.

RD-1642-G (64-5).* REGIONAL DEMONSTRATION OF COMPREHENSIVE REHABILITATION SERVICES IN A DEPRESSED AREA. Bureau of Rehabilitation Services, State Office Bldg., Frankfort, KY 40601; Leon Meenach.

To develop *regional resources* for rehabilitation and to demonstrate the effectiveness of comprehensive rehabilitation services in an *isolated, depressed area of the Appalachian* region.

RD-1704-G (65-4). AN AFTER-SCHOOL WORK AND COUNSELING PROGRAM FOR POTENTIAL DROPOUTS IN A LOW-INCOME NEIGHBORHOOD. Educational Alliance, 197 East Broadway, New York, NY 10007; Daniel Rubenstein.

To demonstrate the effect of an *afterschool work and counseling* program on potential *dropouts* living in a low-income area.

RD-1752-G (65-3).* EVALUATION OF A LABOR COMMUNICATION AND INFORMATION SERVICE. Natl. Insts. on Rehabilitation and Health Services, 1714 Massachusetts Ave. N.W., Washington, DC 20036; Terence E. Carroll.

To demonstrate the need for and the *communication techniques required to stimulate organized labor to participate* in community rehabilitation programs and to *assist rehabilitation agencies* to relate more effectively to *organized labor*. See also RD-638; RD-2694.

RD-2187-G (66-1).* THE DEVELOPMENT OF A TAPE SERIES ON REHABILITATION RESEARCH. Human Resources, Albertson, NY 11507; Henry Viscardi, Jr.

To develop a series of *taped programs for radio* to inform the general public of *progress* in the field of vocational rehabilitation research.

RD-2307-G (66-1).* STUDENT RECRUITMENT FOR HEALTH AND REHABILITATION PROFESSIONS. American Scholarship Assn., 225 Park Ave. South, New York, NY 10003; Mrs. Karyl Josman.

A pilot study to determine the effectiveness of *student orientation techniques* for information, education, and *recruitment in the rehabilitation and health professions*.

RD-2309-G (67-1).* PLAYS FOR LIVING. Plays for Living, Family Service Assn. of America, 44 East 23rd St., New York, NY 10010; Clare M. Tousley.

A pilot study to determine the validity of a devise to *measure the effectiveness of "live drama"* as a means of increasing awareness of the VR program on the part of disabled persons and the general public. See also RC-9; RC-11; RC-25; RD-26; RC-36.

RD-2313-G (66-1).* PLANNING FOR VOCATIONAL REHABILITATION RURAL CONCENTRATED SERVICE. Vocational Rehabilitation Division, Mississippi State Dept. of Education, P.O. Box 1698, Jackson, MS 39205; William E. Woodrick.

To investigate and determine the feasibility of undertaking a *major rehabilitation program* for the *disabled and the socio-economically and culturally deprived* population in rural counties of the Mississippi Delta and certain southwestern counties of the State. See also RD-2320.

RD-2694-G (68-1).* EVALUATION OF A LABOR COMMUNICATION AND INFORMATION SERVICE. Natl. Insts. on Rehabilitation and Health Services, 1714 Massachusetts Ave. N.W., Washington, DC 20036; Terence E. Carroll.

A 5-year project to support a program of *rehabilitation information dissemination*. See also RD-638; RD-1752.

RD-2697-M (68-1). FIFTH INTERNATIONAL CONGRESS OF PHYSICAL MEDICINE. American Congress of Rehabilitation Medicine, 30 North Michigan Ave., Chicago, IL 60602; Sidney Licht, M.D.

To assist the Fifth International Congress of Physical Medicine in assuring *translation and dissemination of scientific program data* to participants.

RD-2719-M (68-1).* STUDY OF THE IMPACT OF CONTINUING EDUCATION IN ORTHOPAEDIC SURGERY. American Board of Orthopaedic Surgery, 29 East Madison St., Chicago, IL 60602; Frank E. Stinchfield, M.D.

A pilot project to establish a model for studying effectiveness of *continuing education programs in rehabilitation principles for orthopaedic surgeons*.

RD-2750-G (68-1). COORDINATED ARTS PROJECT FOR REHABILITATION OF THE SOCIALLY AND CULTURALLY HANDICAPPED. Intersection, 756 Union St., San Francisco, CA 94133; Mrs. Marian Norwick.

A pilot project to demonstrate that by involving people from high-risk culturally *deprived environments* with the arts on a personal and participating basis, they can be effectively rehabilitated in terms of *vocational and community attitudes*.

RD-2776-G (69-1). TRANSPORTATION FOR HANDICAPPED PERSONS. Center for Transportation Studies, Rutgers - The State Univ., New Brunswick, NJ 08903; M. Cooper B. Bright.

A feasibility study of *transportation problems of the handicapped* related to criteria and data gathering.

XXI. ADDITIONAL PROJECTS IN VOCATIONAL REHABILITATION

RD-2797-G (69-1). BRIGHTON PARK MULTI-SERVICE PILOT PROJECT, OXNARD, CALIFORNIA. Los Angeles Psycho-Social Center, 5455 Wilshire Blvd., Los Angeles, CA 90036; Leland M. Swanson, Ph.D.

A feasibility study of problems related to the development of a *family service center* for llow-income *Spanish-American* families.

RC-13-P (64-1).* THE SCAR BENEATH. Film. Communicable Disease Center, 1600 Clifton Road N.E., Atlanta, GA 30333; James Lieberman, Ph.D.

To produce a *film* to demonstrate *problems* presented by the *disabled public offender* and possible methods by which prison officials, probation officers, and vocational rehabilitation agency personnel working together might offer some significant services to this population.

RC-20-G (64-3). ALASKA NATIVE REHABILITATION PROJECT. U.S. Public Health Service, Alaska Native Health, Anchorage, AK 99501; H. R. Wherritt, M.D.

To demonstrate a comprehensive program to overcome *language and cultural barriers and coordinate community resources* to rehabilitate *disabled Alaskan natives*.

Spec. repts. 1. *Sub-Interval Report. 1966.* 2. *Stimulating Learning Motivvation in Disadvantaged Groups: A Hospital School Demonstration Program for Alaskan Native Children.*

RC-25-G (64-1).* HEART OF THE HOUSE. Plays for Living, Family Service Assn. of America, 44 East 23rd St., New York, NY 10010; Clare M. Tousley.

To develop an educational and informative *theatrical production* demonstrating the effectiveness of the *rehabilitation* process in the vocational rehabilitation of the *handicapped homemaker*. See also RD-2309.

SELECTED DEMONSTRATIONS

Vocational Rehabilitation of Disabled Public Assistance Clients.
A comprehensive final report of 14 of these projects was prepared under Project RD-1323–G.

RD-1131-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, 507 Public Service Bldg., Salem, OR 97310; Ron Hammett.

RD-1185-G (63-3).* QUANTITY REHABILITATION OF PUBLIC ASSISTANCE RECIPIENTS. Vocational Rehabilitation Division, State Office Bldg., Montpelier, VT 05602; Francis S. Irons.

RD-1206-G (63-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Rehabilitation Commission, Labor and Industry Bldg., John Fitch Plaza, Trenton, NJ 08625; Leo Selling.

RD-1253-G (63-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, 4th Floor, Centennial Bldg., St. Paul, MN 55101; Marvin O. Spears.

RD-1323-G (63-3). VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Comprehensive final report. *Vocational Rehabilitation of Disabled Public Assistance Clients: An Evaluation of Fourteen Research and Demonstration Projects.* Division of Vocational Rehabilitation, Room 254, State Office Bldg., 725 South Bronough St., Tallahassee, FL 32304; William J. Miller.

RD-1329-G (63-3).* AN INTENSIVE PROGRAM OF VOCATIONAL REHABILITATION SERVICES TO DISABLED PUBLIC ASSISTANCE APPLICANTS AND RECIPIENTS. Division of Rehabilitation Services, Room 1518, State Capitol Bldg., Lincoln, NB 68509; Fred A. Novak.

RD-1332-G (63-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Vocational Rehabilitation Division, 14 North Carroll St., Madison, WI 53703; O. H. Richter.

RD-1333-G (63-3).* REHABILITATION OF DISABLED RECIPIENTS OF PUBLIC ASSISTANCE GRANTS OR THOSE WHOSE CHILDREN ARE RECIPIENTS. Arkansas Rehabilitation Service, 303 Education Bldg., Little Rock, AR 72201; W. H. Baldwin.

RD-1334-G (63-3).* THE HOUSTON REHABILITATION-WELFARE PROJECT REPORT. Division of Vocational Rehabilitation, Education Bldg., Capitol Station, Austin, TX 78711; E. R. Garrett.

RD-1335-G (63-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Caton N. Hill.

RD-1338-G (63-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, 7 North 15th St., Phoenix, AZ 85007; M. W. Holdship.

RD-1417-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, 129 State Office Bldg. Atlanta, GA 30303; A. P. Jarrell.

RD-1494-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Dorothy M. Singer, Ed.D.

RD-1513-G (64-3).* THE SAN ANTONIO REHABILITATION-WELFARE REPORT. 2 vols. Division of Vocational Rehabilitation, Education Bldg., Capitol

Station, Austin, TX 78711; Robert Beck.
Spec. rept. *Predicting the Rehabilitation of Disabled Urban Public Welfare Clients: An Interim Report.*

RD-1514-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, 400 Atlas Bldg., 36 West Second South, Salt Lake City, UT 84101; Vaughn L. Hall.

RD-1515-G (64-3). VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, 160 North LaSalle St., Chicago, IL 60601; John R. Daniels.

RD-1533-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS (Leslie, Harlan and Bell Counties). Bureau of Rehabilitation Services, Harlan, KY 40831; John M. Burkhart.

RD-1534-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS (Johnson, Martin and Lawrence Counties). Bureau of Rehabilitation Services, Paintsville, KY 41240; Basil T. Mullins.

RD-1639-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PERSONS RECEIVING PUBLIC ASSISTANCE GRANTS. Dept. of Vocational Rehabilitation, Government of the District of Columbia, 1331 H St. N.W., Washington, DC 20005; Mrs. Ruth O'Neil.

RD-1644-G (64-3).* PROFLIGANY OR PROLOGUE. Division of Vocational Rehabilitation, 415 Bankers Trust Bldg., Des Moines, IA 50309; Thomas C. Benedict.

RD-1648-G (65-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Division of Vocational Rehabilitation, Texas Education Agency, Austin, TX 78701; Harvey Mosmeyer.

RD-1662-G (64-3).* PARTNERSHIP IN SERVICE: VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Linn J. Hardman.

RD-1664-G (64-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS (A-1) - WELCH WELFARE DISTRICT. State Board of Vocational Education, Vocational Rehabilitation Division, Room W-400, State Capitol Bldg., Charleston, WV 25305; Linn J. Hardman.

RD-1737-G (65-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. New Mexico Division of Vocational Rehabilitation, P.O. Box 2406, Santa Fe, NM 87501; A. R. Terwilliger.

RD-1768-G (65-3). VOCATIONAL REHABILITATION OF DISABLED PUBLIC ASSISTANCE CLIENTS. Ohio Bureau of Vocational Rehabilitation, 240 South Parsons Ave., Columbus, OH 43215; Mrs. Georgia Rogers.

RD-1834-G (65-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC WELFARE CLIENTS: RIO PIEDRAS, PUERTO RICO. Division of Vocational Rehabilitation, Dept. of Education, Hato Rey, PR 00919; Angel Pagan.

RD-1835-G (65-3).* VOCATIONAL REHABILITATION OF DISABLED PUBLIC WELFARE CLIENTS: PONCE, PUERTO RICO. Division of Vocational Rehabilitation, Dept. of Education, Hato Rey, PR 00919; Angel Pagan.

RD-2785-P (69-1). PILOT AND RESEARCH PROJECT FOR DISSIDENT YOUTH (HIPPIES) IN EAST VILLAGE OF NEW YORK CITY. Educational Alliance, 197 East Broadway, New York, NY 10002; Robert Meltzer.

A pilot study to develop a multidisciplinary demonstration-research project relative to a population of *dissident youth*.

RD-2793-G (69-1). PILOT PROJECT TO DEVELOP COMMUNITY ORGANIZATION AND INFORMATION SYSTEMS CONTRIBUTING TOWARD SOCIAL AND VOCATIONAL REHABILITATION GOALS OF THE INDIAN PEOPLE. Inter-Tribal Council of Nevada, 1995 East Second St., Reno, NV 89502; John Dressler.

To test the feasibility of an *information system* in the rehabilitation of *Indians*.

RD-2794-P (69-1). A PLANNING STUDY FOR THE INVESTIGATION OF PROCEDURES FOR MOTIVATION OF SOCIALLY AND CULTURALLY DISADVANTAGED YOUTH TOWARD VOCATIONAL TRAINING AND JOB PERFORMANCE. Experimental Education Unit, Child Development and Mental Retardation Center, Univ. of Washington, Seattle, WA 98105; Dr. Norris G. Haring.

A pilot project to study systematically procedures which will establish a greater cooperative effort among *Central City youth* for continuing their formal secondary education and acquiring employable vocational skills.

RD-2795-G (69-1). AN INSTRUCTION PROGRAM IN THE ART OF GLASS DESIGN. Pepperdine College, 1121 West 79th St., Los Angeles, CA 90044; Eugene White, M.A.

A feasibility study of the use of a master teacher and a series of *instructional films* to teach *disadvantaged students glass blowing* as a creative art form.

RD-2841-G (69-5). SUB-CULTURAL TRAINING FOR THE SOCIALLY-ECONOMICALLY DISADVANTAGED. Univ. of Illinois, Group Effectiveness Research Laboratory, 909 West Nevada St., Urbana, IL 61301; Harry C. Triandis, Ph.D.

To develop *training materials* for socio-culturally *disadvantaged* prospective *employees and middle-class supervisors* who work with them to test and demonstrate the effectiveness of this subcultural training program in a variety of ongoing organizations.

RD-2962-G (69-3). DEVELOPMENT OF REHABILITATION SERVICE SYSTEMS FOR LOW-INCOME ADOLESCENT GIRLS WITH BEHAVIOR DISORDERS. Durham Community House, 917 Ramseur St., Durham, NC 27701; Mrs. Betty Newton.

A rehabilitation program built around a central *residental center* and a network of outreach homes, and featuring survival group therapy.

RD-2969-G (69-3). ANTHROPOLOGICAL STUDY OF DISABILITY FROM EDUCATIONAL PROBLEMS OF PUERTO RICANS. Univ. of Illinois, Urbana, IL 61801; Jacquetta H. Burnett, Ph.D.

An *anthropological* study of the origins of *occupational disability* in the school-home-peerdom relationship of *culturally disadvantaged Puerto Rican* youths in Chicago.

RD-2975-G (69-3). COMPREHENSIVE TREATMENT PROGRAM FOR INDIAN ALCOHOLICS. Office of the Governor, Iowa Comprehensive Alcoholism Project, 1209 East Court Ave., Suite 406, Des Moines, IA 50319; Richard Rattray.

A comprehensive treatment program for *Indian alcoholics*.

RD-3017-G (69-5). NORTHEASTERN STUDIES IN VOCATIONAL REHABILITATION. Monographs 6-- . 6. The Utilization of Rehabilitation Research: Concepts, Principles, and Research. Office of Research Administration, Northeastern Univ., 360 Huntington Ave., Boston, MA 02115; Rueben J. Margolin, Ed.D.

To do *programmatic research* on the relationship between motivation and *dependency*, to provide research consultation to official DVR agencies, and to undertake special research at the request of the Regional Office when approved by SRS Central Office. (This project is also reported in Section XX.) See also RD-1310.

RD-3020-G (69-4). RE-ENTRY INTO COMMUNITY OPPORTUNITIES, VOCATIONS, EDUCATION, AND RECREATION. Divison of Research, Dept. of Institutions, Olympia, WA 98501; H. J. Wahler, Ph.D.

A demonstration of a system of comprehensive rehabilitation methods for special-problem, chronically unemployed *revolving door clients*.

RD-3045-G (69-3). VOCATIONAL AND SOCIAL REHABILITATION OF JUVENILE DELINQUENTS. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Dr. Richard T. Goldberg.

A model vocational rehabilitation program for *juvenile delinquents*.

RD-3057-G (69-1). LIFE ENRICHMENT NEEDS OF PERSONS WITH MULTIPLE HANDICAPS WHO ARE SOCIALLY AND CULTURALLY DEPRIVED. United Cerebral Palsy Assn., 321 West 44th St., New York, NY 10036; Sherwood A. Messner.

A *conference* regarding needs of nonworking *teenage* and adult persons who because of multiple handicaps and attitudes toward disability are *socially and culturally deprived*.

RD-3081-G (69-3). BRIDGING THE GAP BETWEEN DISADVANTAGED YOUTH AND OTHER YOUTH IN THE METROPOLITAN WASHINGTON AREA. National Conference of Christians and Jews, 735 Southern Bldg.,

1425 H St. N.W., Washington, DC 20005; Donald F. Sullivan.

A demonstration of ways to assist youth of high school age handicapped by *economic or social isolation* to move into the mainstream of community life.

RD-3114-P (69-4). ADOLESCENT SURGICAL AND SOCIAL REHABILITATION PROGRAM. Johns Hopkins Univ., Sch. of Medicine, 725 North Wolfe St., Baltimore, MD 21205; Milton T. Edgerton, Jr., M.D.

To demonstrate that a program of *corrective surgery* and rehabilitation services for physically deformed *adolescents of socially and culturally deprived backgrounds* will favorably alter self-concepts and self-esteem and improve psycho-social, vocational-educational, and behavioral functioning.

RD-3149-M (69-1). THE REHABMOBILE PROJECT. Albert Einstein College of Medicine, Eastchester Road and Morris Park Ave., Bronx, NY 10461; Victor Cummings, M.D.

To establish and evaluate a *community-based* organization of disabled persons, utilizing a community-based *rehabilitation team* and working to overcome the devastating familial and personal consequences of *heart disease, stroke, and cancer.*

RD-3150-M (69-3). COMPREHENSIVE HEALTH AND VOCATIONAL EDUCATION PROGRAM FOR DISADVANTAGED URBAN COMMUNITY. New England Medical Center Hospital, Rehabilitation Inst., 171 Harrison Ave., Boston, MA 02111; Homer Reed, Ph.D.

To establish a comprehensive *health and vocational education* program and to demonstrate the effectiveness of such a program in the modification of health care and vocational practices of individuals living in *deprived urban communities.*

RD-3159-P (69-2). PREVENTION OF POTENTIAL JUVENILE DELINQUENTS THROUGH CAMPING. Kiddie Kamp Corp., 419 Boylston St., Boston, MA 02116; Fred Bavley.

To demonstrate the rehabilitation of incipient *delinquents* through a *camping program* that emphasizes human relations and *sensitivity training.*

RD-3707-P (69-1). BEYOND THE OPPORTUNITY STRUCTURE. New Careers Development Organization, 1013 Harrison St., Oakland, CA 94607; J. Douglas Grant.

A pilot study to develop a program of interpersonal and organizational change processes necessary to open up the opportunity structure to the *Mexican-American population*, which has had limited access to *meaningful work roles.*

RC-59-P (69-1). DEVELOPMENT AND EVALUATION OF PROCEDURES FOR THE SELECTION OF HUMAN SERVICES SUBPROFESSIONALS. Office of State Merit Systems, Dept. of Health, Education, and Welfare, Washington, DC 20201; Robert L. Veazey.

To develop new approaches to the selection of *subprofessionals* for the *human services occupations* to further develop and evaluate certain *selection devices.*

RC-61-G (69-1). NEIGHBORHOOD DEVELOPMENT YOUTH PROGRAM. United Planning Organization, 1100 Vermont Ave., Washington, DC 20002; Lacey Streeter.

A *jointly funded* effort of the Department of Labor, Office of Education, Social and Rehabilitation Service, and Office of Economic Opportunity to demonstrate various aspects of a *youth leadership* development program, the SRS aspect featuring development of youth *research aides.*

RC-67-P (69-4). MOUNT LEMON YOUTH CAMP FACILITY. Indian Development District of Arizona, 111 East Camelback Road, Phoenix, AZ 85012; Eugene F. Suarez.

To develop a *comprehensive program* of educational, prevocational, and vocational service for *predelinquent and delinquent Indian youth* from reservations and communities in Arizona, Nevada, and Utah.

A cooperative constellation of Inner City Projects (a "second generation" of concerted service projects), most of them within the Model City programs.

RD-2879-G (68-1). ACCELERATING SERVICES IN THE GHETTO AREAS. Illinois Division of Vocational Rehabilitation, 623 East Adams St., Springfield, IL 62706; Hubert Dunlap.

To provide *intensive services* to meet the vocational rehabilitation needs of disabled youths and adults residing in three target areas in the *densely populated and poverty-stricken ghetto areas* of East St. Louis.

RD-2988-G (69-3). DEMONSTRATION OF EFFECTS OF COMPREHENSIVE COMMUNITY SERVICES TO THE CULTURALLY AND SOCIALLY DEPRIVED AND INCLUDING THE TRADITIONAL REHABILITATION CLIENT. Atlanta Employment Evaluation and Service Center, 1599 Memorial Drive, Atlanta, GA 30317; Vernon L. Vinson.

A jointly funded center for *comprehensive evaluation* of vocationally disabled persons with special reference to the *socially and culturally disadvantaged.*

XXII. SOCIALLY AND CULTURALLY HANDICAPPED

RD-2989-G (68-1).* BEHAVIOR MODIFICATION OF THE HARD-CORE WELFARE CLIENT FOR SUSTAINED EMPLOYMENT. Arkansas Rehabilitation Service, 211 Broadway, Little Rock, AR 72201; Gerald H. Fisher, Ed.D.

To determine what *services, personnel, and techniques* are most effective in the rehabilitation or habilitation of the *hard-core welfare client*.

RD-3011-G (68-4). A COORDINATED AND RESPONSIVE PROGRAM FOR THE SOCIALLY DISABLED. Mayor's Office, City Hall, Cleveland, OH 44114; David G. Hill.

A coordinated and responsive rehabilitation program for *socially and culturally disadvantaged inner-city residents* featuring teams of workers consisting of a VR counselor, a caseworker, and two *rehabilitation aides: a Model City* project.

RD-3253-G (69-3). REHABILITATION OF HANDICAPPED RESIDENTS OF MODEL CITIES AREA OF BALTIMORE. Maryland Division of Vocational Rehabilitation, State Dept. of Education, 2100 Guilford Ave., Baltimore, MD 21218; Merl D. Myers.

Rehabilitating handicapped persons in *Model City areas*.

Project STAR - a collaborative research and demonstration project jointly conducted by the National Urban League, the National Association for Retarded Children, and the Family Services Association of America, and designed to bring the **culturally disadvantaged mentally retarded** into the mainstream of the current service system. The first six projects are pilot studies, with a series of major demonstrations to follow.

RD-3022-G (69-1). TRI-AGENCY APPROACH TO LOW-INCOME FAMILIES WITH MENTALLY RETARDED MEMBERS. National Urban League, 55 East 52nd St., New York, NY 10022; Morris L. Grant.

To *plan* a series of five collaborative projects involving constituent agencies of NUL, National Association of Retarded Children, and Family Services in developing new ways to deliver *services* to disadvantaged families having a *retarded* member.

RD-3069-G (69-1). PORTLAND SATELLITE NATIONAL MENTAL RETARDATION PROJECT. Urban League of Portland, Community Service Bldg., Suite 404, 718 West Burnside, Portland, OR 97209; Vernon V. Chatman.

A pilot project in a *collaborative* effort to develop new ways of *delivering services to disadvantaged families* having a *retarded* member.

RD-3070-G (69-1). PLANNING SERVICES FOR THE RETARDED FROM LOW-INCOME FAMILIES. South Bend Urban League, 625 Sherland Bldg., 105 East Jefferson Blvd., South Bend, IN 46601; Dorothy V. Parchen.

A pilot project in a *collaborative* effort to develop new ways of delivering *services to disadvantaged families* having a *retarded* member.

RD-3071-G (69-1). HARTFORD SATELLITE NATIONAL RETARDATION PROJECT. Urban League of Greater Hartford, 53 Allyn St., Hartford, CT 06103; William J. Brown.

A pilot project in a *collaborative* effort to develop new ways of *delivering services to disadvantaged families* having a *retarded* member.

RD-3075-G (69-1). SAN DIEGO SATELLITE MENTAL RETARDATION PROJECT. San Diego Urban League, Robinson Bldg., 520 E St., San Diego, CA 92101; Dorothy W. Summer.

A pilot project in a *collaborative* effort to develop new ways of *delivering services to disadvantaged families* having a *retarded* member.

RD-3089-G (69-1). PLANNING SERVICES FOR THE RETARDED FROM LOW-INCOME FAMILIES. Tampa Urban League, 2102 West Main St., Tampa, FL 33607; Edward D. Hayes.

A pilot project in a *collaborative* effort to develop new ways of *delivering services to disadvantaged families* having a *retarded* member.

RD-16 (55-5).* CEREBRAL PALSY WORK CLASSIFICATION AND EVALUATION PROJECT. 2 vols. Inst. for Crippled and Disabled, 400 First Ave., New York, NY 10010; Bernard Rosenberg.

For developing *methods of evaluating the potential abilities* of severely disabled cerebral palsied *adults* through using a wide variety of *sample jobs*, in order that more effective training and job placement can be given to this group.

Film. *Evaluating the Vocational Potential of the Cerebral Palsied.*

RD-37 (55-5).* WORK SIMPLIFICATION IN CHILD CARE: TEACHING MATERIALS FOR THE REHABILITATION OF PHYSICALLY HANDICAPPED HOMEMAKERS. Commercial ed. *Homemaking for the Handicapped*, Univ. of Connecticut, Storrs, Ct 06268; Elizabeth E. May.

To facilitate the rehabilitation of orthopedically *handicapped homemakers* by developing simplified *methods and equipment* for performing the activities required in the *care of young children.*

Spec. repts. 1. *Play Experiences Handicapped Mothers May Share With Young Children.* 2. *Where There's a Will....* 3. *Suggestions for Physically Handicapped Mothers on Clothing for Preschool Children* (contains reference material supplement). 4. *You Can Do Family Laundry--With Hand Limitations.* 5. *The Team Approach to the Rehabilitation of the Handicapped Homemaker: Workshop Proceedings.* 6. *Child Care Equipment for Physically Handicapped Mothers.* 7. *Bibliography on Home Management: Work Simplification for Handicapped Homemakers.* 8. *Bibliography in Child Development for Handicapped Homemakers.* 9. *Bibliography on Work Simplification in Food Preparation for Handicapped Homemakers.*

Film series. Handicapped Homemakers. 1. *Child Care Problems of Physically Handicapped Mothers.* 2. *You Can Do Family Laundry With Hand Limitations.* 3. *Where There's a Will....* 4. *An Approach to Work Simplification for Handicapped Homemakers.* 5. *Principles of Motion Economy Illustrated by Handicapped Homemakers.* 6. *Work Simplification Demonstrated by a Wheelchair Mother in Preparing a Formula.* 7. *Work Simplification Demonstrated by a One-Handed Mother in Bathing a Baby.*

RD-111 (57-3).* CORRELATING SERVICES AVAILABLE TO FARMERS. Alabama Inst. for the Deaf and Blind, P.O. Drawer 268, Talladega, AL 35160; B. Q. Scruggs.

To demonstrate the benefits of *coordinating the services* of the State vocational rehabilitation agency and the agricultural agencies in rehabilitating *blind farmers.*

Film. *Candle in the Night.*

RD-233 (58-4).* THE ILEOSTOMY PATIENT. QT Incorporated, 227 Commonwealth Ave., Boston, MA 01916; Mrs. Edith Lenneberg.

To undertake an experimental *rehabilitation* program for *ileostomy* patients in three hospitals.

Film. *The Application of Postoperative and Permanent Ileostomy Appliances.*

RD-292 (58-2).* THE GLASS WALL. Film. American Hearing Society, 919 18th St. N.W., Washington, DC 20003; Crayton Walker.

To develop an educational and informational *film* to demonstrate improved *methods* for *rehabilitating* the *hard of hearing.*

RD-351 (58-1).* BELIEVING IS SEEING. Film. Minneapolis Society for the Blind, 1936 Lyndale Ave. South, Minneapolis, MN 55405; Henry A. Daum.

To develop an educational and informational *film* to facilitate increased use of a *regional rehabilitation center for the blind.*

RD-429 (60-1).* HELP WANTED. Film. Univ. of Nebraska, Lincoln, NB 68508; Dr. LaVern C. Strough

To develop an educational and informational *film* to demonstrate the *functions* of vocational rehabilitation *counselors as team members* in the rehabilitation of persons with *mental illness.*

RD-742 (61-3).* A STUDY OF SOME PHYSIOLOGICAL ASPECTS OF SPEECH. State Univ. of Iowa, Iowa City, IA 52240; D. C. Spriestersbach, Ph.D.

To study and analyze by *cinefluorographic* techniques the physiology of the *speech mechanism* of persons with corrected *cleft palates*, cerebral palsy, and functional misarticulations in order to develop educational and informational materials and films.

Film series. Physiological Aspects of Speech. 1. *Velopharyngeal Function in Normal Speakers.* 2. *Speakers With Cleft Palates.* 3. *Normal Speech Articulation.* 4. *Speakers With Cerebral Palsy.*

RD-815-G (62-1).* PRODUCTION OF FILM CASE HISTORY DEMONSTRATING VOCATIONAL REHABILITATION OF THE FACIALLY DISFIGURED PATIENT. Society for the Rehabilitation of the Facially Disfigured, 550 First Ave., New York, NY 10016; Robert E. Bochat.

To develop an *educational* and informational *film* to demonstrate the rehabilitation of the severely *facially disfigured.*

Film. *To Face Life Again.*

RD-856-G (62-3).* ARCHITECTURAL BARRIERS STATEWIDE INVESTIGATION. Minnesota Society for

Crippled Children and Adults, 2004 Lyndale Ave. South, Minneapolis, MN 55405; W.B. Schoenbohm.

To study and identify in several Minnesota localities *architectural barriers* which prevent disabled persons from full participation in community life.

Film. *Sound the Trumpets.*

RD-989-P (63-2).* A COMPARISON OF THREE APPROACHES TO GROUP COUNSELING INVOLVING MOTION PICTURES WITH MENTALLY RETARDED YOUNG ADULTS. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa, FL 33607; C. M. Pinkard, Jr., Ph.D.

To evaluate a *motion picture training* technique for promoting social development in mentally retarded *young adults.*

Film. *Training for Tomorrow.*

RD-1008-S (62-1).* ANIMATED CINEFLUOROGRAPHIC FILMS FOR SPEECH REHABILITATION IN THE AURALLY HANDICAPPED. John Tracy Clinic, 806 West Adams Blvd., Los Angeles, CA 90007; Edgar L. Lowell, Ph.D.

To develop cinefluorographic and animated *films* showing the movements of *normal articulation* during speech, for use in *teaching speech to the deaf and hard of hearing.*

Cinefluorographic film series. Four untitled films. 1. "D" sound. 2. "N" sound. 3. "S" sound. 4. Composite "D-N-S" sound.

RD-1360-S (64-1).* REHABILITATIVE SURGERY AND HEARING LOSS PRODUCTION OF COLORED TEACHING FILMS. Univ. of Texas Graduate Sch. of Biomedical Sciences, 102 Jesse Jones Library Bldg., Houston, TX 77025; Grant Taylor, M.D.

To produce five 30-minute colored *medical teaching films and video tapes on surgical procedures* for the correction of *hearing loss.*

Films. 1. *Restoration of Hearing: Obliteration of the Cavity and Reconstruction of the Auditory Canal in Temporal Bone Surgery.* 2. *Tympanoplasty, Part 1--Reconstruction of the Tympanic Membrane.* 2. *Tympanoplasty, Part II--Reconstruction of the Ossicular Chain.* 3. *Selecting Patients for Tympanoplasty.* 4. *Stapedectomy Techniques for Otosclerosis.*

RD-1408-P (64-1).* FILM ON VOCATIONAL REHABILITATION OF THE PSYCHIATRIC PATIENT. Mental Health Film Board, 164 East 38th St., New York, NY 10016; Harvey J. Tompkins, M.D.

To produce a *film* dramatizing and disseminating *concepts and techniques* developed on VRA projects for the mentally ill, for *adaptation* to similar settings in *other communities.*

Film. *Full Circle.*

RD-1461-M (64-5).* INVESTIGATION OF EXTERNALLY POWERED ORTHOTIC DEVICES. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Vernon L. Nickel, M.D.

To develop externally powered *orthotic devices* that will provide severely *paralyzed* persons with voluntary *arm motion* through the entire functional range.

Spec. rept. *Fitting the Rancho Electric Arm and Tongue Switch.*

Film. *The Rancho Electric Arm.*

RD-1564-M (65-3).* DEVELOPMENT OF EXTERNALLY POWERED UPPER EXTREMITY ORTHOTICS. Texas Inst. for Rehabilitation and Research, 1333 Moursund Ave., Houston, TX 77025; Thorkild Engen.

To develop controllable, *externally powered orthotic systems* for the restoration of purposeful arm and hand functions in *individuals with flaccid and spastic* bilateral shoulder, arm, and hand paralysis.

Spec. rept. *Instruction Manual for Use of the Engen Plastic Hand Orthosis (E.P.H.O.) as Used in a Reciprocal Wrist Extension Finger Flexion Device.*

Film. *An Application of Research in Orthotics.*

RD-1636-G (64-1).* ALCOHOLICS ARE PEOPLE. Film series. 1. *Roots of Alcoholism.* 2. *Tuesday at 3:00.* (See RD-1701 for films 3-11.) Chicago Educational Television Assn., 1761 East Museum Drive, Chicago, IL 60637; Edward L. Morris.

To develop plans for a *series* of educational *television programs* on the problems and treatment of alcoholism and the rehabilitation of *alcoholics.*

RD-1638-G (65-1).* THE GREAT LAND. Film. Division of Vocational Rehabilitation, Box 2568, Juneau, AK 99801; Carroll M. Craft.

To plan a project for *rehabilitation* of those *disabled* as a result of the *earthquake disaster.* See also RD-1661.

RD-1643-M (65-1).* ELECTROMYOGRAPHIC PROSTHETIC CONTROL. Temple Univ. Hospital, 3401 North Broad St., Philadelphia, PA 19140; Bernard Sandler, M.D.

To demonstrate that *electromyographic* signals taken with *surface electrodes* can be utilized for *control* of *prosthetic limbs.*

Film. *Myoelectric Control of Prosthetics.*

RD-1651-G (65-2).* THE DEVELOPMENT AND EFFECTS OF AN INEXPENSIVE ELEVATOR FOR ELIMINATING ARCHITECTURAL BARRIERS IN PUBLIC BUILDINGS. Hofstra Univ., Hempstead, NY 11550; Harold E. Yuker, Ph.D.

To develop an *inexpensive elevator* to *eliminate architectural barriers* in public buildings.

Film. *All Things on Wheels Aren't Equal.*

RD-1697-G (65-3).* BUILDING A PIPELINE TO THE PUBLIC THROUGH AN ORGANIZED PUBLIC INFORMATION PROGRAM. Arkansas Rehabilitation Service, 211 Broadway, Room 227, Little Rock, AR 72201; L. D. Kerr.

To demonstrate what an organized program of *public information* can do to increase the *effectiveness* of a State vocational rehabilitation program.

Spec. rept. *Analysis of Statewide Survey of Adult Opinions and Attitudes Regarding Vocational Rehabilitation for Arkansas Rehabilitation Service.* 1965, 1966, 1967 eds.

Film. *"00-26."*

RD-1701-G (65-1).* ALCOHOLICS ARE PEOPLE. Film series. 3. *Toward Recovery.* 4. *I've Had It.* 5. *Billion Dollar Hangover.* 6. *Alcoholism Makes it Tougher.* 7. *First Stone.* 8. *Address Nowhere.* 9. *The Not Very "Merry-Go-Round."* 10. *Not Yet Alcoholic.* 11. *Where Now?* (See RD-1636 for films 1 and 2.) Chicago Educational Television Assn., 1761 East Museum Drive, Chicago, IL 60637; Edward L. Morris.

To produce a series of *television programs on alcoholism*, available treatment facilities, and services.

RD-1738-G (65-1).* MODUS OPERANDI: "THE WASTED ONES." Airlie Foundation, Box 341, Warrenton, VA 22186; Clark Pangle.

A 1-year project to *produce and evaluate* a filmed report as an effective method for *dissemination of information* on vocational rehabilitation. See also RD-1680; RD-2491; RC-39.

Film. *The Wasted Ones.*

RD-1751-M (65-3).* INVESTIGATION OF MYOELECTRIC CONTROL OF FUNCTIONAL BRACES. Attending Staff Assn., Rancho Los Amigos Hospital, 7601 East Imperial Highway, Downey, CA 90242; Worden Waring, Ph.D.

To explore the problems appearing when *myoelectric control* is applied to *braces or other orthotic devices* of patients having a reduction or absence of some normal abilities, and to develop and use myoelectric control where appropriate for patients with various disabilities. See also RD-1655.

Film. *Myoelectric Control for a Quadriplegic.*

RD-1755-G (65-3).* ALCOHOLISM REHABILITATION: A FILM PROJECT. Hofstra Univ., 1000 Fulton Ave., Hempstead, L.I., NY 11550; Matthew N. Chappell, Ph.D.

A project to produce a series of films for instructors and professional training centers on the subject of *alcoholism rehabilitation.*

Spec. rept. *Study Manual and Guide.*

Film series. The Fifteenth American. 1. *Group Therapy.* 2. *Lay Treatment Procedures...* 3. *Rehabilitation of the Alcoholic Through Individual Therapy.* 4. *The Interdisciplinary Approach to Rehabilitation.* 5. *The Counselor in Various Rehabilitation Settings.* 6. *Case Study.* 7. *A Survey of Rehabilitation.* 8. *It's Up to You.*

RD-1806-G (65-2).* PROJECT EARNING POWER: HISTORY AND FINAL REPORT. National Society for Crippled Children and Adults, 2023 West Ogden Ave., Chicago, IL 60612; Arthur H. Rissman.

To demonstrate the use of *volunteers* in working with the *severely disabled and homebound* to assist them to produce competitively salable products, to promote upgrading and design of such *products*, and to encourage exhibits and sales of quality products. See also RD-2423.

Spec. rept. *Design Manual.*

Film. *The Fire Within.*

RD-1812-M (65-1).* PREPARATION OF A FILM FOR THE PURPOSE OF ASSISTING IN RECRUITING TRAINEES FOR CAREERS AS ORTHOTISTS AND PROSTHETISTS TO SERVE THE NEEDS OF THE ORTHOPEDICALLY DISABLED WITHIN THE UNITED STATES. American Orthotics and Prosthetics Assn., 919 18th St. N.W., Washington, DC 20006; Lester A. Smith.

To prepare a *film* to assist in *recruiting trainees* for careers as *orthotists and prosthetists.*

Film. *Men and Mobility.*

RD-1928-G (65-1).* THIS ISN'T KINDNESS. Natl. Assn. for Retarded Children, 386 Park Ave. South, New York, NY 10016; John Becker.

To produce a *film* depicting the capabilities of rehabilitated mentally retarded persons in industry to *increase employment opportunities.*

Film. *Selling a Guy Named Larry.*

RD-1930-G (65-1).* THE HOPE AND THE PROMISE. Film. Natl. Rehabilitation Assn., 1029 Vermont Ave. N.W., Washington, DC 20005; E. B. Whitten.

To produce a *film* on the techniques of *selective placement* of the handicapped.

RD-1983-G (66-3).* PROMOTION OF VOCATIONAL REHABILITATION IN COMMUNITY HOSPITALS. The Arthritis Foundation, New York Chapter, 432 Park Ave. South, New York, NY 10016; Allan M. Wolfe, M.D.

To produce a documentary *film* on experiences of a vocational rehabilitation unit within a *community hospital* for the purpose of *promoting* better *services* for handicapped *arthritic* patients.

Spec. rept. *Vocational Rehabilitation in a Community Hospital: a Guide to Organization and Operation.*

Film. *Vocational Rehabilitation in a Community Hospital.*

RD-2039-P (66-1).* YOUR'RE IT. Film. MacDonald Training Center Foundation, 4424 Tampa Bay Blvd., Tampa FL 33614; Alden S. Gilmore and Thomas A. Rich.

To produce a *film* to illustrate effective techniques of *recreational leadership* with the *mentally retarded* for use with *volunteer workers* and others.

RD-2113-M (66-1).* REHABILITATION OF ASTHMATIC PATIENTS: REPORT ON FILM "JERRY." Natl. Jewish Hospital, 3800 East Colfax Ave., Denver, CO 80206; Martin Nacman.

To produce a professional training *film* to demonstrate the latest techniques for rehabilitating individuals disabled by *asthma*. See also RD-2168.

Film. *Jerry*.

RD-2196-G (67-1).* PERSONAL ADJUSTMENT IN A SHELTERED WORKSHOP. Film. Indianapolis Goodwill Industries, 1635 West Michigan St., Indianapolis, IN 46222; Maurine R. Miller, Ph.D.

To produce a *training film demonstrating therapeutic techniques* a sheltered workshop can utilize with *clients considered unemployable* because of personal or emotional factors.

RD-2289-S (67-1).* ELECTROMYOGRAPHIC ASSESSMENT OF PHARYNGEAL MUSCLE ACTIVITY IN LARYNGECTOMIZED PATIENTS: TECHNIQUES AND PRELIMINARY FINDINGS. Inst. of Medical Science, 2361 Clay St., San Francisco, CA 94115; Thomas Shipp, Ph.D.

To produce a *film* demonstrating a new diagnostic technique for assessing pharyngoesophageal muscle function in postlaryngectomized patients.

Film. *Electromyographic Assessment of Pharyngeal Muscle Activity in Laryngectomized Patients*.

RD-2474-S (67-3). PROFESSIONAL THEATRE OF THE DEAF. Eugene O'Neill Memorial Theater Foundation, 699 Madison Ave., New York, NY 10021; David Hays.

A 3-year demonstration of a *nonoral repertory theater* company as a new vocational field for the *deaf*. See also RD-868; RD-2315.

Film. *The Starting Line*.

RD-2584-S (68-1). THE INNER WORLD OF APHASIA. Film. Western Reserve Univ., Cleveland, OH 44106; Leonard Pearson, Ph.D.

To produce the *film* "The Inner World of Aphasia."

RD-2598-G (67-1). FRAGILE EGOS. Film. WGBH Educational Foundation, 125 Western Ave., Boston, MA 02134; Henry Morgenthau III.

To produce the *film* "Fragile Egos."

RD-2816-MPO (68-1).* FINAL NARRATIVE REPORT. Univ. of North Carolina, Chapel Hill, NC 27514; Erle E. Peacock, Jr., M.D.

To produce a *film* on rehabilitation of the hand.

Film. *The Gift of Grasp*.

RC-2-G (60-1).* TO LIVE AGAIN. Film. Norwood Studios, 926 New Jersey Ave. N.W., Washington, DC 20001; Philip Martin.

To develop a comprehensive educational and informational *film* to demonstrate the significance of the *public vocational rehabilitation* program to the health, social, and economic structures in the United States.

RC-13-P (64-1).* THE SCAR BENEATH. Film. Communicable Disease Center, 1600 Clifton Road N.E., Atlanta, GA 30333; Jas. Lieberman, Ph.D.

To produce a *film* to demonstrate *problems* presented by the *disabled public offender* and possible methods by which prison officials, probation officers, and vocational rehabiliation agency personnel working together might offer some significant services to this population.

RD-1127-G (63-5).* REHABILITATION RESEARCH MONOGRAPH SERIES. 3 vols. 1. Client Motivation for Rehabilitation: a Review. 2. Characteristics of Students in the Health Related Professions. 3. Six Years of Rehabilitation Research: Studies of Personnel in Health Related Professions, Client Motivation, and Research Utilization. Univ. of Florida, College of Health Related Services, Gainesville, FL 32703; John R. Barry, Ph.D.

To develop and conduct a *regional research program* in cooperation with State and local rehabilitation agencies, to study *motivation and personality factors* in the rehabilitation of the disabled, and to explore the *interest and motivation* of *professional persons* working in rehabtilitation.

Spec. repts. 1. *Research and Demonstration Projects: a Bibliography - 1968.* 2. *Selected Rehabilitation Counseling Literature: a KWIC (Keyword in Context) Index.* 3. *Management and Personnel Abstracts.*

RD-1263-G (64-1).* UTILIZATION OF APPLICABLE RESEARCH AND DEMONSTRATION RESULTS. Human Interaction Research Inst., Kirkeby Center, Suite 610, Los Angeles, CA 90024; E. M. Glaser, Ph.D.

To study methods of facilitating the *utilization of rehabilitation research* results by public and private rehabilitation agencies.

RD-2283-RU (66-3). DRIVING RECORDS, LICENSING REQUIREMENTS AND INSURABILITY OF PHYSICALLY IMPARIED DRIVERS. Colorado Seminary, Univ. of Denver, University Park Campus, Denver, CO 80210; Judge Sherman G. Finesilver.

To compile and analyze material relating to the *licensing, testing, driving records, accident involvement, and driver training* of physically impaired drivers.

RD-2510-G (68-1).* PROCEEDINGS: COMMUNICATION, DISSEMINATION, AND UTILIZATION OF RESEARCH INFORMATION IN REHABILITATION COUNSELING. Springfield College, 283 Alden St., Springfield, MA 01109; Dr. Henry Paar.

To plan and conduct a *conference* related to researchable problems in *rehabilitation counseling* and to publish the proceedings.

RD-2590-G (68-3). PUBLIC EDUCATION AND INFORMATION CONCERNING LEPROSY REHABILITATION/RESEARCH UTILIZATION. Leonard Wood Memorial, 79 Madison Ave., New York, NY 10016; Donald V. Wilson.

To develop a better understanding of *leprosy* and action to be taken concerning treatment, research, prevention, and rehabilitation.

D-2751-RU (68-1). FILM DISCUSSION PROGRAMS TO EDUCATE THE PUBLIC ABOUT THE PHYSICALLY HANDICAPPED AND RESOURCES FOR HELPING THEM. The Family Life Film Center of Connecticut, Fairfield Univ., Fairfield, CT 06430; Charlotte S. Kaufman.

A *pilot study* to organize *film discussion groups* to educate the *public and business community* about the handicapped and the facilities available for their treatment, and to develop *discussion and utilization* guides for films.

RD-2874-G (68-1). RESEARCH UTILIZATION AND DISSEMINATION: PROCEEDINGS OF A REGIONAL CONFERENCE. Univ. of Florida, Gainesville, FL 32601; John E. Muthard, Ph.D.

To conduct a regional *conference* on research utilization and collaborative operational research.

RD-2878-P (68-1).* CONFERENCE ON RESIDENTIAL CARE. Univ. of Hartford, 200 Bloomfield Ave., West Hartford, CT 04117; Dr. Michael Klaber.

A conference on residential services and programs for the *retarded to disseminate* pertinent research findings among an assembled group of experts in the field of mental retardation.

RD-2985-RU (68-). INNOVATION IN VOCATIONAL REHABILITATION PROGRAMS THROUGH RESEARCH UTILIZATION. Jewish Vocational Service, One South Franklin St., Chicago, IL 60606; William Gellman, Ph.D.

To create and conduct a *research utilization laboratory* to field test and adapt research findings to a variety of agency conditions.

RD-3017-G (69-5). NORTHEASTERN STUDIES IN VOCATIONAL REHABILITATION. Monographs 6-- . 6. The Utilization of Rehabilitation Research: Concepts, Principles, and Research. Office of Research Administration, Northeastern Univ., 360 Huntington Ave., Boston, MA 02115; Reuben J. Margolin, Ed.D.

To do *programmatic research* on the relationship between motivation and *dependency*, to provide research consultation to official DVR agencies, and to undertake special research at the request of the Regional Office when approved by SRS Central Office. See also RD-1310.

RD-3077-RU (69-5). ESTABLISHING A RESEARCH UTILIZATION SPECIALIST IN A STATE VOCATIONAL REHABILITATION AGENCY. Virginia Dept. of Vocational Rehabilitation, 4615 West Broad St., Richmond, VA 23230; Dale E. Hanks.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3080-RU (69-2). CATALOGUING AND INDEXING SOCIAL AND REHABILITATION SERVICE INFORMATION

RESOURCES. Univ. of Florida, Gainesville, FL 32601; John E. Muthard, Ph.D.

To prepare a *bibliography of final reports and articles* resulting from SRS-sponsored research, including *keyword index* and list of *grantees, authors, and project titles.*

RD-3082-RU (69-5). THE DEVELOPMENT OF STATE RESEARCH UTILIZATION. Division of Vocational Rehabilitation, Dept. of Health and Social services, One West Wilson St., Madison, WI 53702; Edward J. Pfeifer, Ph.D.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3083-RU (69-5). IMPROVING CLIENT SERVICES THROUGH USE OF RESEARCH UTILIZATION SPECIALISTS. Vocational Rehabilitation Division, Texas Education Agency, Capitol Station, Austin, TX 78711; L. T. Johnston.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practioners and administrators to improve programs.

RD-3084-RU (69-5). RESEARCH UTILIZATION SPECIALIST IN ALABAMA VOCATIONAL REHABILITATION AGENCY. Vocational Rehabilitation Service, 2129 East South Blvd., Montgomery, AL 36111; O. F. Wise.

To demonstrate that a *Research Utilization Specialist* in a State VR Agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3085-RU (69-5). DEVELOPMENT OF RESEARCH UTILIZATION PROGRAM. Section of Vocational Rehabilitation, State Dept. of Education, 1448 West Dunklin, Jefferson City, MO 65101; Robert H. Prouty.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3088-RU (69-5). STATE AGENCY USE OF THE RESEARCH UTILIZATION SPECIALIST. Utah State Board of Education, Office of Rehabilitation Service, 1200 University Club Bldg., 136 East South Temple, Salt Lake City, UT 84111; Vaughn L. Hall.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3154-RU (69-5). RESEARCH UTILIZATION IN CALIFORNIA DEPARTMENT OF REHABILITATION. California Dept. of Rehabilitation, 714 P St., Sacramento, CA 95814; Paul F. C. Mueller, Ph.D.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3161-RU (69-5). RESEARCH UTILIZATION SPECIALIST IN THE MASSACHUSETTS REHABILITATION COMMISSION. Massachusetts Rehabilitation Commission, 296 Boylston St., Boston, MA 02116; Richard T. Goldberg, Ed.D.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3289-RU (70-1). PLANNING-DEMONSTRATION PROJECT FOR THE UTILIZATION OF RESEARCH FINDINGS OF THE JOINT COMMISSION ON CORRECTIONAL MANPOWER AND TRAINING. Joint Commission on Correctional Manpower and Training, 1522 K St. N.W., Washington, DC 20005; Dr. Garrett Heyns.

To formulate an effective comprehensive plan to implement the major findings and recommendations of the Joint Commission on *Correctional Manpower and Training.*

RD-3364-RU (69-5). RESEARCH UTILIZATION SPECIALIST IN THE NEW JERSEY REHABILITATION COMMISSION. New Jersey Rehabilitation Commission, Labor and Industry Bldg., Trenton, NJ 08625; Adrian J. Marinelli.

To demonstrate that a *Research Utilization Specialist* in a State VR agency can promote *innovations and research utilization* by adapting research findings for use by practitioners and administrators to improve programs.

RD-3714-RU (69-1). INFORMATION EXCHANGE PROGRAM FOR REHABILITATION RESEARCH AND TRAINING CENTERS. George Washington Univ., Office of the Vice President and Treasurer, Washington, DC 20006; Charles W. Shilling.

A pilot study to determine the feasibility of establishing within the Research and Training Centers Division a current awareness and *information exchange program* for directors and staff of the various *Research and Training Centers* supported by SRS.

RC-62-RU (69-1). CONTRACT FOR ABSTRACTING R&D FINAL REPORTS. Univ. of Florida, Gainesville, FL 32601; Heinz Dinter.

To *abstract and index final reports* produced by SRS research programs, and to compile a *general index* of terms used and a locator card file listing projects by descriptors to permit *manual retrieval.*

PART 2

COOPERATIVE RESEARCH OR DEMONSTRATION PROJECTS

Cooperative Research or Demonstration Projects Approved
Under Title XI, Section 1110
The Social Security Act of 1957, as Amended

March 1961 - December 1969

COOPERATIVE RESEARCH OR DEMONSTRATION PROJECTS

R-001 (61-2).* ATTITUDES TOWARD DEPENDENCY: A STUDY OF AFDC MOTHERS. Dept. of Social Work and Social Research, 815 New Gulph Road, Bryn Mawr, PA 19010; Jane C. Kronick, Ph.D.

To study differences in *attitudes* towards *dependency* between mothers with children born in wedlock and those with children born out of wedlock. See also R-157.

R-004 (61-3).* USE AND NON-USE OF PUBLIC ASSISTANCE FUNDS BY CHILD-REARING UNITS IN A LOW INCOME COMMUNITY. Florence Heller Graduate Sch. for Advanced Studies in Social Welfare, Brandeis Univ., Waltham, MA 02154; David G. French.

To study social organization, values, and patterns of economic life of a group of white, *female-headed families* in the low-income neighborhood of Hannah Square, Boston.

R-007 (61-2).* SERVICES TO FAMILIES ABOUT TO BE EVICTED FROM PUBLIC LOW-RENT HOUSING. 703 North 8th St., Philadelphia, PA 19125; Mrs. Mildred Webb Guinessy.

To obtain information which would assist tenants about to be *evicted* from public housing projects in Philadelphia because of chronically poor housekeeping, and to help improve home upkeep and management sufficiently to assure continued residence in the *housing projects*.

R-009 (61-1).* INCOME MAINTENANCE AND ADJUSTMENT PROGRAMS IN RELATION TO NEEDS. Northern Michigan College, 50 Summit, Marquette, MI 49855; Jean R. Pearman, Ph.D.

To ascertain income patterns and the effectiveness and inadequacy of *standards of assistance* in public welfare, and to determine how effectively administrators and professional practice meet the special needs of welfare recipients.

R-013 (61-1).* A FIELD SURVEY OF FAMILY PROBLEMS IN AN AREA OF RAPID SOCIAL CHANGE. Dept. of Sociology and Anthropology, Academic Bldg., Univ. of Georgia, Athens, GA 30601; Raymond Payne.

To identify the full range of *family problems* existing under the social and economic conditions in a small nonmetropolitan, city-centered county.

R-017 (61-2).* EFFECTIVENESS OF SERVICES IN CHANGING VALUES AMONG NEGRO BOYS OF AFDC FAMILIES. 1839 East 81st St., Cleveland, OH 44103; John W. Cox.

Testing the *effectiveness* of intensive *group services* in changing motivation and levels of aspiration among 69 fatherless Negro boys, 10 to 14 years old, from AFDC families in Cleveland, Ohio.

R-019 (61-2).* CREDIT UNION SERVICES TO LOW-INCOME GROUPS. Univ. of Notre Dame, Notre Dame, IN 46556; John T. Croteau.

To determine whether *credit union* services are used by low-income as well as middle-income sectors of the community.

R-026 (61-4).* RESEARCH DEMONSTRATIONS WITH DEPENDENT MULTIPROBLEM FAMILIES. Sch. of Social Work, Univ. of Michigan, Ann Arbor, MI 48104; Fedele Fauri, Dean.

To provide intensive casework in the Chemung County Department of Public Welfare, New York; to improve family functioning in 100 multiproblem families; and to evaluate the *effectiveness* of intensive *casework services*.

R-028 (61-2).* PERSONAL, INTERPERSONAL, AND COMMUNITY FACTORS CONTRIBUTING TO ILLEGITIMATE PREGNANCIES AMONG TEENAGE GIRLS. Sch. of Social Work, Univ. of Michigan, Ann Arbor, MI 48104; Henry J. Meyer, Ph.D.

To study the social-psychological and organizational mechanisms operating in the prevention and treatment of *illegitimacy problems* of girls in Michigan.

R-034 (61-4).* LONGITUDINAL STUDY OF RETIREMENT. Professor of Sociology, Dept. of Sociology, Cornell Univ., Ithaca, NY 14850; Gordon F. Streib.

To index changes which "normal" *older persons* undergo and to determine the correlates of those changes, as part of a larger study of the *retirement* process and factors related to the ease or difficulty of retirement.

R-037 (61-2).* DECISION-MAKING PROCESS LEADING TO INSTITUTIONALIZATION OF THE AGED. Box 6152, N. T. Station, Denton, TX 76201; Hiram J. Friedsam.

To discern the nature and effects of the decision-making process in institutionalizing the elderly in *homes for the aged* in a city in Texas.

R-042 (61-4).* FATHERLESS FAMILIES AND HOUSING: A STUDY IN DEPENDENCY. Syracuse Univ., Youth Development Center, Syracuse, NY 13210; Irwin Deutscher.

To compare the impact of different types of *housing* on the life style, aspirations, cognition, and behavior of two groups of low-*income fatherless families*.

R-047 (61-1).* ANALYSIS OF SUITABLE HOME CASES ACTED UPON BY STATE REVIEW TEAM. Sch. of Social Welfare, Florida State Univ., Tallahassee, FL 32306; Robert T. Lansdale.

To make an exploratory analysis on the question of *suitability of homes;* to shed light on significant racial, geographic, and administrative factors bearing on decisions.

R-058 (62-3).* INFLUENCE OF OLD-AGE INSURANCE AND PRIVATE PENSION PLANS ON SPENDING-SAVING BEHAVIOR. Survey Research Center, Univ. of Michigan, Ann Arbor, Michigan 48104; George Katona.

To study the influence of expected level of retirement income on *spending* and *saving* practices before retirement in order to determine the effects of the economy and of private pension plans or *preretirement behavior* of 1,300 families.

R-059 (62-3).* UNMARRIED MOTHERS WHO KEEP THE FIRST OUT-OF-WEDLOCK CHILD. Community Council of Greater New York, 345 East 45th St., New York, NY 10017; Mrs. Georgiana Kierman.

To discover the characteristics and needs of *unwed mothers* with one out-of-wedlock child whom they do not plan to put up for *adoption*.

R-067 (62-4).* SOME SOCIAL ASPECTS OF URBAN RENEWAL--A RESEARCH AND DEMONSTRATION STUDY. The Menninger Foundation, Box 829, Topeka, KS William H. Key, Ph.D.

To investigate the effect of *forced relocation* on the lives of two persons, one displaced by urban renewal and the other by highway construction.

R-068 (62-2).* AFDC FAMILY REHABILITATION PROJECT. Community Services Society of New York, 105 East 22nd St., New York, NY 10010; Alice R. McCabe.

To provide for a *family-centered treatment* in East Harlem, New York City, to prevent crystallization of nonconforming patterns in children with antisocial tendencies and the emergence of similar behaviors in their siblings.

R-075 (62-2).* INTERCOUNTY SOCIAL WELFARE SERVICES. Research Center, Sch. of Social Work, Columbia Univ., 2 East 91st St., New York, NY 10028; Kenneth Murase, D.S.W.

To describe and analyze characteristics of intercounty *social welfare needs*, population served, services performed, and the agencies involved in efforts to plan and coordinate services.

R-078 (63-1).* STUDY OF AN AGED LOW-INCOME POPULATION IN A PUBLIC HOUSING PROJECT. Trinity Univ., San Antonio, TX 78212; Frances M. Carp.

To assess the impact on life style and *adjustment* of living in Victoria Plaza, a *public housing* unit for the aged in San Antonio, Texas.

R-085 (62-3).* DETERMINANTS OF GEOGRAPHIC MOBILITY ON LABOR. Inst. for Social Research, Univ. of Michigan, Ann Arbor, MI 48104; John B. Lansing.

To identify social, economic, and psychological factors which promote or hinder *geographic mobility* in the United States.

R-090 (62-4).* ADMINISTRATIVE PRACTICES IN THE ORGANIZATION AND UTILIZATION OF PUBLIC ASSISTANCE PERSONNEL. Sch. of Social Service Administration, Univ. of Chicago, Chicago, IL 60637; Edward E. Schwartz.

To compare the effectiveness of organizing public assistance staff on a team basis or on a conventional basis; and to test the hypothesis that increased *social work specialization* will have favorable effects on *public service administration*.

R-091 (62-2).* A STUDY OF EARLY RETIREMENT AND PROGRAMS OF PREPARATION FOR RETIREMENT. N.Y.S. Sch. of Industry and Labor Relations, Cornell Univ., Ithaca, NY 14850; John W. McConnell, Dean.

To study programs of preparation for retirement; to investigate the efforts of a small group of companies to use *early retirement* provisions as a means of controlling the *work force*.

R-098 (62-1).* EFFECT ON FAMILIES AND INDIVIDUALS IN A RURAL COMMUNITY WHEN PUBLIC RELIEF WAS EXHAUSTED. 2400 Reading Road, Cincinnati, OH 45202; William P. Walton.

To study the effect of abrupt termination of *general assistance* grants on families and individuals in a rural county: Clermont, Ohio.

D-099 (62-1).* PLANNING FOR EVALUATION OF SERVICES, PRUITT-IGOE HOUSING PROJECT (ST. LOUIS). Pruitt-Igoe Unit, Missouri Division of Welfare, 2407 O'Fallon St., St. Louis, MO 63106; Virginia H. Turner.

To evaluate a program of *intensive services* to families receiving public assistance, including AFDC families living in a public housing complex.

R-103 (62-3).* COMMUNITY DEVELOPMENT AND STUDY OF WISCONSIN WINNEBAGO INDIANS. Univ. of Wisconsin, 3300 East Delhi Road, Ann Arbor, MI 48104; Dr. Nancy O. Lurie.

To study and evaluate the special needs, including employment, health, education, and welfare, of the Wisconsin Winnebago *Indians*.

R-105 (62-2).* MEASURES OF SOCIAL FUNCTIONING IN MULTIPROBLEM CENTRAL HARLEM. Interdepartmental Neighborhood Service Center, 145 West 125th St., New York, NY 10027; Lillian C. Lampkin, Director.

To study the social determinants of *individual functioning* in relation to particular social systems such as kinship, neighborhood, educational structures, employment, and public assistance.

R-107 (62-3).* ECONOMIC STATUS, UNEMPLOYMENT, AND FAMILY GROWTH. Populations Studies Center, Univ. of Michigan, Ann Arbor, MI 48104; Ronald Freedman.

To study the relationship of economic status, employment, and *unemployment* to *family growth*.

R-110 (62-1).* DESIGN OF AN EVALUATION STUDY OF CONSUMER EDUCATION. Union Settlement Assn. 250 East 105th St., New York, NY 10029; William Kirk.

An evaluation study of a program of *consumer education* and guidance for low-income families in New York City.

R-115 (62-2).* SOCIAL CHARACTERISTICS AND EMPLOYMENT EXPERIENCES IN SCHOOL DROPOUTS. Syracuse Univ. Youth Development Center, 404 Comstock Ave., Syracuse, NY 13210; S. M. Miller.

To discover factors associated with occupational aspirations and expectations of *high school youth* of lower-class origins in Syracuse, New York, public schools.

R-124 (63-3).* EXPERIMENTAL SHORT-TERM READING READINESS STUDY. Dept. of Sociology, Univ. of Chicago, Chicago, IL 60637; Fred L. Strodbeck.

To evaluate the effects of a *reading readiness nursery* school on 4-year-old children from Negro AFDC families in Chicago.

R-125 (63-3).* ECONOMIC FUNCTIONS OF KINSHIP STRUCTURES IN LOW-INCOME GROUPS. Bureau of Social Science Research, 1424 16th St. N.W., Washington, DC 20006; Leonard H. Goodman.

To discover links between personal characteristics and social processes which, in combination, give rise to reinforcement and *self-perpetuation of poverty*.

R-127 (63-3).* A COMPARATIVE ANALYSIS OF POVERTY IN PUERTO RICO AND NEW YORK. Dept. of Anthropology, Univ. of Illinois, Urbana, IL 61801; Oscar Lewis.

To determine whether the *culture of poverty* has social and psychological characteristics which transcend geographic and nationality differences.

R-132 (63-4).* EFFECT OF INCOME ON EXPENDITURE FOR USE OF HEALTH SERVICES. Univ. of Chicago, Chicago, IL 60637; Margaret G. Reid.

To investigate the *utilization of health services* and related expenditures for different income levels and age groups.

R-133 (63-2).* STUDIES OF AFDC FAMILIES AND CHILDREN. Box 630, Chapel Hill, NC 27514; Daniel O. Price.

To determine relevant factors in predicting length of *time on public assistance*.

R-135 (63-3).* TEMPORARY DISABILITY INSURANCE FOR FARM WORKERS. Sch. of Public Health, Univ. of Michigan, Ann Arbor, MI 48104; Philip Booth.

To study the effects of *disability insurance* protection of *farm workers* for short-term, disability-related wage loss.

R-139 (63-3).* A FAMILY-CENTERED TREATMENT RESEARCH AND DEMONSTRATION PROJECT IN PUERTO RICO WITH DEPENDENT MULTIPROBLEM FAMILIES. Sch. of Social Work, Univ. of Puerto Rico, Rio Piedras, PR 00937; Rosa C. Marin.

To determine the nature and cause of problems of *multiproblem families* who have received public assistance in the form of child welfare services for 5 years or more.

R-145 (63-1).* SOCIAL WORK AS A CAREER: THE PLANS AND EXPERIENCES OF AMERICA'S 1961 COLLEGE GRADUATES. 5720 South Woodlawn Ave., Chicago, IL 60637; Norman Miller.

To obtain national information on the choice of *social work as a career* by persons who graduated from college in 1961.

R-148 (63-1).* EDUCATIONAL BARRIERS TO ECONOMIC SECURITY IN LARGE CITIES. Dept. of Social Foundations, Columbia Univ., New York, NY 10027; Robert A. Dentler.

To find an explanation for *dropout rates* and adult *illiteracy rates* in 150 large cities in the United States.

R-151 (63-4).* A LONGITUDINAL STUDY OF THE EFFECTS OF PRERETIREMENT EDUCATION ON THE ADJUSTMENT IN RETIREMENT OF HOURLY RATED WORKERS. Univ. of Michigan, 1510 Rockham Bldg., Ann Arbor, MI 48104; William K. Pierpont.

To test the hypothesis that a group of hourly rated automobile workers who participated in a *preretirement education* program made a better adjustment to retirement than a nonparticipant group.

R-155 (63-3).* CONSEQUENCES OF A STATE SUITABLE HOME LAW FOR AFDC FAMILIES IN FLORIDA. Inst. for Social Research, Florida State Univ., Tallahassee, FL 32306; Dr. Lewis M. Killian.

To study the consequences of Florida's *suitable home law* on families whose mother "voluntarily" withdrew from AFDC as a result of administration of the law.

R-157 (63-2).* FAMILY LIFE AND ECONOMIC DEPENDENCY. 815 New Gulph Road, Bryn Mawr, PA 19010; Jane C. Kronick, Ph.D.

To study why families become economically dependent and why some families react differently from others to *dependency*. See also R-001.

R-158 (63-1).* THE AGED, FAMILY, AND FRIENDS. Sch. of Applied Social Sciences, Case Western Reserve Univ., Cleveland, OH 44106; Irving Rosow.

To examine the relationship between two kinds of *social ties* of *older people* in Cleveland, Ohio, the ties with their adult children and the ties with their neighbors or friends.

R-160 (61-5).* STUDY OF NURSING HOME PATIENT CARE NEEDS IN RELATION TO SOURCES OF SUPPORT AND ADMISSION. Sch. of Public Health, Univ. of Michigan, Ann Arbor, MI 48104; Kenton E. Winter.

To determine the relation of *patient care needs* to sources of support and admission.

R-164 (63-4).* EMPLOYMENT OPPORTUNITIES OF NEGRO AND WHITE YOUTH. Dept. of Social Relations, Johns Hopkins Univ., Baltimore, MD 21218; Bernard Levenson.

A longitudinal study of the employment experiences of *students from AFDC families* who received vocational training.

R-166 (64-1).* EXPLORATORY PROJECT ON THE MAJOR LEADERSHIP ROLES IN MULTIPROBLEM FAMILIES. 1403 Tampa St., Tampa, FL 33602; Dorothy Johnson.

Study of *treatment programs* for *multiproblem families* in terms of family composition, family functioning, and other relevant characteristics.

R-170 (64-1).* A FIELD STUDY OF MIGRATORY FARM LABOR IN WISCONSIN. Dept. of Economics, Univ. of Wisconsin, Madison, WI 53706; Elizabeth B. Raushenbush.

To conduct a field survey regarding the characteristics of *migrant workers* and their families.

R-171 (64-3).* MODES OF WITHDRAWAL FROM ACTIVE OCCUPATIONAL ROLES BY FARMERS, SMALL TOWN MERCHANTS, PROFESSIONALS, AND FACTORY WORKERS 50 AND OVER IN IOWA. 206C East Hall, Iowa State Univ., Ames, IA 50010; Jon A. Doerflinger.

To study the process of withdrawing from participation in employment and to determine how plans for, and actual *retirement* from, work vary among occupational groups in Iowa.

R-175 (64-4).* PROTECTIVE SERVICES FOR OLDER PEOPLE. Benjamin Rose Inst., 636 Rose Bldg., Cleveland, OH 44115; Margaret Blenkner.

To analyze the effectiveness and cost of a program of *protective service* for noninstitutionalized *older persons*.

R-176 (64-2).* A SELF-HELP COMMUNITY EFFORT IN A FRINGE IN-MIGRANT SECTION OF LAS VEGAS, NEVADA. Nevada TB and Health Assn., 511 Forest St., Reno, Nevada 89502; Mrs. Elaine Walbroek.

To study the living conditions in the predominantly Negro west side of Las Vegas, where a large AFDC caseload exists.

R-178 (64-1).* AN EXPLORATORY STUDY OF FAMILY MEASUREMENT INSTRUMENTS. Dept. of Rural Sociology, Washington State Univ., Pullman, WA 99163; F. Ivan Nye.

To review the present status of social science efforts to *measure family behavior*.

R-181 (64-3).* ALTERNATIVE DEPLOYMENT OF PUBLIC ASSISTANCE AND TRAINED CASEWORK PERSONNEL. New York Dept. of Welfare, 250 Church St., New York, NY 10013; Lawrence Podell, Ph.D.

To provide systematic data regarding the extent to which various outcomes are affected by deploying the better trained caseworkers to *service functions* in New York City.

R-182 (64-1).* THE EFFECT OF LEGAL AND POLICY RESTRICTIONS ON THE AVAILABILITY AND UTILIZATION OF SERVICES BY NON-RESIDENTS. United Good Neighbors Fund of Seattle and King County, 107 Cherry St., Seattle, WA 98104; Murray B. Meld.

An exploratory study to develop a preliminary *typology of migrants* who seek help from social agencies.

R-185 (64-4).* EXPERIMENTAL STUDY OF CASEWORK METHODS AND PROCEDURES. Community Service Society of New York, 105 East 22nd St., New York, NY 10010; Dr. Ann W. Shyne.

To assess the effectiveness of several alternative programs of *casework service* in dealing with family problems.

R-189 (64-1).* UNWED MOTHERHOOD: PERSONAL AND SOCIAL CONSEQUENCES. Dept. of Sociology and Anthropology, Univ. of North Carolina, Chapel Hill, NC 27514; Dr. Charles E. Bowerman.

To extend the analysis of *unwed motherhood* begun under Project No. 006 to determine the pre-pregnancy relationship between the alleged father and the unwed mother.

R-190 (64-5).* RESEARCH-ACTION ON PREVENTION OF FAMILY DISORGANIZATION. Graduate Sch. of Social Work, Rutgers - The State Univ., New Brunswick, NJ 08903; Dr. Ludwig L. Geismar.

To study *family organization* by longitudinal research on the social functioning of a sample of young urban families in Newark, New Jersey.

R-191 (64-1).* A STUDY OF BLUE COLLAR WORKER RESISTANCE TO PRE-RETIREMENT EDUCATION. 241 Sparks Bldg., University Park, PA 16802; H. Kirk Dansereau.

To determine the reasons for resistance of blue collar workers in Pennsylvania to participation in *pre-retirement education* programs.

R-193 (64-2).* POVERTY AND AGING AS FACTORS IN SOCIAL ISOLATION. Bureau of Social Science Research, 1424 16th St. N.W., Washington, DC 20036; George S. Rosenberg.

To study the differential contributions of poverty and old age to *social isolation*.

R-199 (64-1).* IDENTIFICATION AND EXPERIMENTAL MODIFICATION OF SOCIAL-PSYCHOLOGICAL CORRELATES OF ECONOMIC DEPENDENCY. 206A East Hall, Iowa State Univ., Ames, IA 50010; Paul R. Kimmel.

COOPERATIVE RESEARCH OR DEMONSTRATION PROJECTS

An exploratory study of three groups of low-income families in regard to their *achievement motivation* and other characteristics.

R-200 (64-3).* THE SUCCESSFUL URBAN SLUM CHILD: A PSYCHOLOGICAL STUDY OF PERSONALITY AND ACADEMIC SUCCESS IN DEPRIVED CHILDREN. Teachers College, Columbia Univ., 525 West 120th St., New York, NY 10027; Bernard Mackler.

To compare relatively successful elementary students from low-income families in depressed neighborhoods in New York City with average and failing students from the same neighborhoods.

R-201 (64-2).* LEGAL INTERVENTIONS, SOCIAL MOBILITY, AND DEPENDENCY: A STUDY OF PUBLIC ASSISTANCE IN HOUSING. Dept. of Sociology, Oberlin College, Oberlin, OH 44074; Kiyoshi Ikeda.

To trace the interplay between *administrative interventions* and assistance in family welfare and the behavior of recipient families in Hawaii.

R-202 (64-2).* CONCERTED SERVICES BASELINE STUDY. Univ. of Miami, Coral Gables, FL 33124; Aaron Lipman.

To assemble baseline data on older residents of public housing and on the welfare and health services available to them in order to assess their needs and to develop guidelines for improving *coordination of services*.

R-207 (64-2).* SOCIAL-ECONOMIC FACTORS AFFECTING WELFARE DEPARTMENTS AND LOW-INCOME FAMILIES. San Francisco State College, 1600 Holloway Ave., San Francisco, CA 94312; Robert C. Stone.

To describe the adjustment made by *low-income families* to their environment.

R-218 (65-2).* STUDIES OF ELDERLY PERSONS WHO HAVE BEEN RELEASED FROM THE STATE MENTAL HOSPITAL. Public Welfare Board, Capitol Bldg., Bismark, ND 58501; G. A. Hample.

To obtain research data for planning residential facilities and services for *former mental patients* after their release from hospital.

R-223 (64-2).* THE SINGLE PARENT FAMILY: FUNCTION IMPLICATIONS OF STRUCTURAL DEVIANCE. Dept. of Sociology, Case Western Reserve Univ., 11027 Magnolia Drive, Cleveland, OH 44106; Jetse Sprey.

To develop theoretical concepts, measuring instruments, and a comprehensive research design for the study of *fatherless families*.

R-228 (64-1).* EVALUATION OF THE PILOT PROJECT IN THE REHABILITATION OF DEPENDENT FAMILIES. Community Services Council, YMCA Bldg., Wilmington, DE 19801; Robert A. Wilson.

To evaluate empirically the results of providing intensive rehabilitation *casework services* on a small casework basis for AFDC families.

R-229 (64-1).* SOCIAL PATTERNS AND CHILD BEHAVIOR IN DEPENDENT AND OTHER LOW-INCOME FAMILIES. Dept. of Public Welfare, 735 Randolph St., Detroit, MI 48226; Oliver Moles, Ph.D.

To collect public welfare case data to study the effects of *marginal subsistence* on family life.

R-230 (65-2).* THE IMPACT OF PUBLIC WELFARE POLICIES AND OPERATIONS ON FAMILY ORGANIZATION. Univ. of California, 120 Haviland Hall, Berkeley, CA 94720; J. Scott Briar.

To describe the experiences and responses of families to the sequence of events involved in becoming *public welfare clients*.

R-240 (67-6 mo.).* ALCOHOL PROBLEMS AND DEPENDENCY. Stanford Univ., Human Problems Inst., Stanford, CA 94305; Sidney Cahn.

To investigate the relationship between *alcohol* use and *economic dependency*.

R-243 (66-1).* LOWER-CLASS ATTITUDES TOWARD "DEVIANT" ACTIONS. Merrill-Palmer Inst., 71 East Ferry Ave., Detroit, MI 48202; Hyman Rodman.

To determine if *lower-class people* have a greater range of values and a lesser commitment to *values* within that range than do middle-class people.

R-245 (65-1).* EXPLORATORY STUDY OF RESEARCH RELATED TO UNDERGRADUATE EDUCATION IN SOCIAL WELFARE. Council on Social Work Education, 345 East 46th St., New York, NY 10017; Dr. Arnulf N. Pins.

To develop efficient methods for obtaining information on *undergraduate education in social work*.

R-246 (65-1).* DETERMINANTS OF THE GEOGRAPHIC MOBILITY OF LABOR. Univ. of Michigan, Inst. for Social Research, Ann Arbor, MI 48104; Dr. John B. Lansing.

Completion of a manuscript on the findings on the *geographic mobility of labor* as a contribution to the formulation of social policy.

R-249 (65-2).* DEVELOPING A COMPARATIVE MEASURE OF FAMILY INTERACTION. Case Western Reserve Univ., Cleveland, OH 44106; George Levinger.

To develop a *measure of family functioning* and to determine what differences exist in patterns of marital communications between middle-class and lower-class married couples.

COOPERATIVE RESEARCH OR DEMONSTRATION PROJECTS

R-252 (65-1).* EVALUATION OF PRESENT METHODS FOR DETERMINING ASSISTANCE GRANTS FOR AFDC AND OAA RECIPIENTS IN IOWA. Iowa Dept. of Social Welfare, State Office Bldg., Des Moines, IA 50319; Ross T. Wilbur.

To determine the feasibility of obtaining information on the resources of income of AFDC and OAA recipients in Iowa.

R-255 (65-1).* FACTORS AFFECTING LIFE EARNINGS OF NON-WHITES IN THE UNITED STATES. Dept. of Economics, Florida State Univ., Tallahassee, FL 32306; Dr. Marshall R. Colberg.

To determine what factors make a significant difference in median *earnings of nonwhites* and to compute age-earnings profiles for nonwhite males and females.

R-259 (65-1).* STUDY OF FAMILIES ON AFDC PROGRAMS: FURTHER ANALYSIS OF EASTERN KENTUCKY DATA. Dept. of Rural Sociology, Univ. of Kentucky, Lexington, KY 40506; Thomas R. Ford.

To analyze data obtained from 324 families in eastern Kentucky who were being assisted under the *AFDC-UP* programs in April 1964.

R-260 (65-2).* PROFESSIONALIZATION OF SOCIAL WELFARE OCCUPATIONS. Univ. of Michigan, 1063B Frieze Bldg., Ann Arbor, MI 48104; Henry J. Meyer.

An examination of *social welfare occupations* to determine the nature of emerging subprofessional roles and of other factors.

R-262 (65-1).* PROBLEMS OF DATA-COLLECTION FROM LOW-INCOME FAMILIES. 605 West 115th St., New York, NY 10025; Allen H. Barton.

To review, analyze, and make available existing knowledge about the differential effects of research methods on *responses from low-income populations*.

R-264 (65-1).* ENHANCING WORK SKILLS AND PARENTAL ROLES OF UNEMPLOYED FATHERS. Division of Welfare, 1403 Tampa St., Tampa, FL 33602; Mrs. Dorothy M. Johnson.

To assess the effects of providing various types of services to families in which the father is unemployed.

R-266 (66-2).* CHANGING PATTERNS OF INCOME AT RETIREMENT FROM THE LABOR FORCE. Dept. of Economics, Univ. of Wisconsin, Madison, WI 53706; H. M. Groves.

To study the timing of *retirement* from the labor force and the resulting changes in the level and sources of income.

R-267 (66-1).* STUDY OF LUMP-SUM AND MONTHLY PAYMENT BENEFITS TO SURVIVORS OF ACTIVE WORKERS. 8000 East Jefferson St., Detroit, MI 48214; Thomas C. Barker, Ph.D.

To describe the economic consequences to survivors after the death of a worker, and the *survivors' uses of benefit payments*.

R-268 (65-1).* MULTIAGENCY INTEGRATION AND CHANGE. Dept. of Sociology, Case Western Reserve Univ., Cleveland, OH 44106; Eleanor K. Caplan.

To describe and explain processes by which some 20 agencies were integrated in the resolution of a community problem in Cleveland, Ohio.

RT-269 (65-2).* EARLY RETIREMENT AND OTHER USES OF NONWORK TIME AS RELATED TO ECONOMIC GROWTH IN CERTAIN WESTERN EUROPEAN COUNTRIES. Dept. of Economics, Duke Univ., Durham, NC 27706; Dr. Juanita Kreps.

To obtain and analyze data from Western European countries regarding early *retirement* and the effects of retirement trends and other uses of nonwork time in relation to economic growth.

R-271 (65-2).* COUNTY SUPPLEMENTATION OF FEDERAL-STATE ASSISTANCE PROGRAMS IN FLORIDA. Inst. for Governmental Research, Florida State Univ., Tallahassee, FL 32306; Dr. Albert L. Sturm.

To provide a factual basis for policy and administrative improvements in *public welfare at the county level*.

R-276 (65-1).* ECONOMIC COSTS OF THE COMPOSITION OF UNEMPLOYMENT. Univ. of Pennsylvania, 3320 Walnut St., Philadelphia, PA 19104; Lawrence R. Klein.

To measure the economic costs of *Negro unemployment* through the use of an econometric model of the United States economy.

R-277 (66-3).* STUDY OF DECISION-MAKING ON EARLY RETIREMENT. Survey Research Center, Box 1248, Ann Arbor, MI 48106; James N. Morgan.

To study the determinants of *early retirement*, and to determine variations in retirement plans and practices associated with age.

R-280 (65-3).* APPLICATION OF THE THEORY OF COMPLIANCE OF SOCIAL WORK ADMINISTRATION. 605 West 115 St., New York, NY 10027; Amitoi Etzioni.

To extend a theory of complex organizations to those organizations that employ a large number of *professional social workers*.

R-283 (66-4).* FAMILY PLANNING AND BIRTH CONTROL AMONG POVERTY-LEVEL NEGRO FAMILIES. Bowman Gray Sch. of Medicine, Winston-Salem, NC 27103; Clark E. Vincent, Ph.D.

To study the knowledge, attitudes, and practices of poverty-level Negroes regarding *birth control*.

COOPERATIVE RESEARCH OR DEMONSTRATION PROJECTS

R-284 (66-1).* A STUDY TO INVESTIGATE THE ECONOMIC EFFECTS OF INTERNAL MIGRATION. Regional Research Inst., West Virginia Univ., Morgantown, WV 26506; Betty J. Fishman.

To determine variations in *spending and saving patterns* between mobile and immobile consumer units.

R-286 (65-3).* DEVELOPMENT OF FAMILY MEASUREMENT INSTRUMENTS. Dept. of Sociology, Washington State Univ., Pullman, WA 99163; F. Ivan Nye.

The development of means by which changes in *family organization* and attitudes may be measured.

R-288 (67-2).* INQUIRY INTO THE EXTENT OF FUNDING UNDER PRIVATE PENSION PLANS. Univ. of Pennsylvania, 3620 Locust St., Philadelphia, PA 19104; Dan McGill.

To assemble information that will serve as a basis for an educated judgment on whether employers and labor unions as a group, and in various categories, are funding their *pension plans* in accordance with policies offering reasonable assurance that the benefit expectations nurtured by these plans will be realized.

R-289 (65-2).* SOCIAL INSURANCE, THE PUBLIC, AND SOCIAL CHANGE. Inst. of Urban Life, 222 West Adams St., Chicago, IL 60606; Michael E. Schiltz.

To establish trends in attitudes and knowledge about *social security* in the United States.

R-292 (66-2).* AGE DIFFERENCES IN WORK EXPERIENCE. Dept. of Economics, Univ. of Pittsburgh, Pittsburgh, PA 15213; Arnold Katz.

To determine relationships among changes in productivity, wages, and the age of the worker.

R-294 (66-3).* PRIMARY TIES AMONG THE ECONOMICALLY DEPRESSED. Dept. of Psychiatry, Harvard Medical Sch., 58 Fenwood Road, Boston, MA 02115; Robert S. Weiss, Ph.D.

To determine the mechanisms of adjustment among people who lack one or more of the primary relationships assumed to be important for *personal and family adjustments*.

R-300 (66-4).* ECONOMIC COSTS OF LONG-TERM CARE IN VARIOUS HEALTH INSTITUTIONS. Graduate Sch. of Business, Univ. of Southern California, Los Angeles, CA 90007; Joseph W. Ehrenreich.

To analyze comparative economic *costs of long-term care* provided in several organizational settings.

R-308 (66-2).* FACTORS INVOLVED IN THE IDENTIFICATION OF POVERTY IN A RURAL AREA. Univ. of North Dakota, Grand Forks, ND 58201; Ronald L. Johnson.

To study the objective and subjective *measures of poverty* among rural farm families and rural nonfarm families in North Dakota.

R-309 (66-2).* ECONOMIC AND DEMOGRAPHIC FACTORS ASSOCIATED WITH RETIREMENT OF MEN FROM THE LABOR FORCE. Box 20, Low Memorial Library, New York, NY 10027; A. J. Jaffee.

To determine the *retirement* rates characteristic of certain occupational groups and industries.

R-312 (66-3).* FAMILY SIZE CHILDSPACING AND SOCIO-ECONOMIC STATUS. Univ. of Michigan, Population Studies Center, Ann Arbor, MI 48104; Ronald Freedman.

To study the relationship between important variations in *family building patterns* and the social and economic situation of the couples.

R-314 (66-3).* EFFECTS OF ABILITY, FAMILY BACKGROUND, AND EDUCATION ON EARNINGS AND CAREERS. Dept. of Sociology, Univ. of Wisconsin, Madison, WI 53706; William H. Sewell.

A longitudinal study of high school graduates in the class of 1957 to trace patterns of *employment and earnings*.

R-316 (66-1).* WELFARE AID POSITIONS IN SOCIAL AND HEALTH SERVICES FOR AMERICAN INDIAN COMMUNITIES. Boston Univ. Sch. of Social Work, 264 Bay State Road, Boston, MA 02115; Dr. Katherine Spencer.

To identify *social welfare jobs* that may be filled by welfare aides among the *Navajos* in several areas of New Mexico.

R-331 (66-3).* BENEFIT-COST ANALYSIS OF THE BERNALILLO COUNTY AFDC WORK EXPERIENCE PROJECT. Dept. of Economics, Univ. of New Mexico, Albuquerque, NM 87106; Dr. Paul T. Therkildsen.

To use data and experience involved in the Bernalillo (N.M.) County *cost-benefit analysis* to develop a working model and methodology.

R-332 (67-2).* STANDARDS AND INDICES FOR ADMINISTRATIVE CLINICAL AUDIT OF MEDICAL, HOSPITAL, AND RELATED AGENCIES. Dept. of Epidemiology, 600 College St., New Haven, CT 06510; Isidore S. Falk.

To develop a system to measure the content of good care in any particular disease or disorder.

R-340 (66-1). SEMINAR AND REPORT ON RESEARCH AND DEMONSTRATION WITH DEPENDENT MULTI-PROBLEM FAMILIES. State Community Aid Assn., 105 East 22nd St., New York, NY 10010; Dr. Lowell Iberg.

Implementing the findings of the *Research and Demonstration With Dependent Multi-Problem Families* in regard to their usefulness for social welfare.

R-345 (66-1).* VALIDATION STUDY OF THE RESPONSES OF LOW-INCOME PEOPLE TO RESEARCH INTERVIEWS. Bureau of Applied Social Research, 605 West 115th St., New York, NY 10025; Allen H. Barton.

To determine the *validity of responses* to six questions of fact.

R-348 (66-3).* BEHAVIOR AND PERSONALITY OF MOTHERS AND CHILDREN IN AFDC FAMILIES. New York Univ. Medical Center, 550 First Ave., New York, NY 10016; Dr. Thomas Langner.

To obtain data on the extent of *psychiatric impairment of AFDC families* in New York City.

R-351 (66-1).* ANALYSIS OF THE SOCIAL-ECONOMIC STRUCTURE OF AN ALL-NEGRO CITY. 8001 Natural Bridge Road, St. Louis, MO 63121; John E. Kramer, Jr.

A study of the social and economic structure of Kinlock, Missouri, largest Negro-populated city in the United States.

R-352 (67-1).* ASSESSING SOCIAL AGENCY EFFECTIVENESS. Sch. of Applied Social Research, Case Western Reserve Univ., Cleveland, OH 44106; Serapio Zalba.

To develop and test a way of studying the *effectiveness of social agency output*.

R-356 (67-1).* UNIFORM CODE OF FAMILY LAW--PREPARATION OF OUTLINE AND BACKGROUND FOR A MODEL LAW. American Bar Center, 1155 East 60th St., Chicago, IL 60637; Allison Dunham.

To describe the background and arguments concerning the merits of a comprehensive code of *laws related to marriage and divorce*.

R-360 (67-1).* ILLEGITIMACY: MEASUREMENT AND ANALYSIS. Vanderbilt Univ., Nashville, TN 37203; Phillips Cutright.

To investigate the problems in the *measurement of illegitimacy*.

R-362 (67-2).* TWO HORIZONS EVIDENCED IN FAMILY SPENDING PATTERNS. Martha Van Rensselaer Hall, Cornell Univ., Ithaca, NY 14850; Gwen J. Bymers.

A study of the division of *family spending* between current consumption and future-oriented satisfactions.

R-365 (67-2).* PUBLIC GUARDIANS AND WELFARE SERVICES IN CALIFORNIA. 120 Haviland Hall, Univ. of California, Berkeley, CA 94720; Maurine McKeany.

To determine the extent to which public guardians have utilized the *social services* of county welfare agencies.

R-367 (67-1).* SURVEY OF UNDERGRADUATE PROGRAMS, STUDENTS, AND FACULTY IN SOCIAL WELFARE. Council on Social Work Education, 345 East 46th St., New York, NY 10017; Arnulf M. Pins.

To support publication of the findings of a "Survey of Undergraduate Programs" for distribution to practitioners of social welfare.

R-371 (67-1).* SOCIAL MOBILITY, MATERNAL PRACTICES, AND SCHOOL ACHIEVEMENT OF NEGRO AND WHITE YOUTH. Inst. for Juvenile Research, 232 East Ohio St., Chicago, IL 60611; Zena S. Blau, Ph.D.

To identify changes in family structure and maternal practices that promote higher *school achievement* by children.

R-377 (67-1).* RETENTION OF SOCIAL WORKERS. 120 East 79th St., New York, NY 10021; Lawrence Podell, Ph.D.

To determine the most important factors related to the *retention of social service workers* in a public welfare agency.

R-378 (67-3).* ACHIEVEMENT MOTIVATION IN WELFARE YOUTH. Graduate Sch. of Social Service Administration, Arizona State Univ., Tempe, AZ 85281; Edmund V. Mech.

To study the relationship between the *achievement motivation* of young persons and length of time on public assistance.

R-380 (67-5). IMPACT OF MEDICARE AND MEDICAID ON FORMER WELFARE CLIENTS. Mount Sinai Sch. of Medicine, 100th St. & 5th Ave., New York, NY 10029; Dr. Margaret Olendzki.

To determine the impact of *Medicaid and Medicare legislation* in the Yorkville District of Manhattan.

R-384 (67-2).* IDEAS ON ECONOMIC SECURITY IN AMERICA. Goshen College, Goshen, IN 46526; Theron Schlabach.

To investigate the ideological *history of social security* in the United States.

R-390 (67-2).* A MULTI-SERVICE CENTER: ITS OPERATION AND CLIENTELE. Heller Graduate Sch., Brandeis Univ., Waltham, MA 02154; Wyatt C. Jones.

A study of the Roxbury *Multi-Service Center* (Boston) to determine the success of the center in bringing about changes in the target population.

R-391 (67-2).* MOBILITY PROFILES OF WORKERS IN LOW- AND HIGH-WAGE INDUSTRIES AND SECTORS, 1959-1963. 258 Ives Hall, Cornell Univ., Ithaca, NY 14850; George H. Hildebrand.

To study the *upward mobility* patterns of workers in low-wage industries and compare them with those of workers in a high-wage group.

R-398 (67-1).* TO DEVELOP METHODOLOGY TO STUDY DELIVERY OF HEALTH SERVICES TO LOW-INCOME FAMILIES. Graduate Sch. of Public Health, Univ. of Pittsburgh, Pittsburgh, PA 15213; Dr. Ray Elling.

To investigate the *impact of recent health legislation* (Federal) on low-income families and individuals.

R-399 (67-1).* ORGANIZATION: VIRGINIA DEPARTMENT OF WELFARE AND INSTRUCTIONS. Univ. of Richmond, 601 N. Lombardy St., Richmond, VA 23220; Thomas C. Sanders.
An analysis of the *organizational structure* of the Department and development of an organizational plan.

R-402 (67-1). ALTERNATIVE SOCIAL SECURITY FINANCING. Univ. of Oregon, Sch. of Business, Eugene, OR 97403; Richard W. Lindholm.
To study the appropriateness of the current U.S. Social Security tax and compare it with *alternative Social Security* financing plans.

R-403 (67-3 mo.).* DIRECT TAX BURDENS ON THE POOR AND ON THE ELDERLY. Dept. of Economics, UCLA, 405 Hilgard Ave., Los Angeles, CA 90024; Yung-Ping Chen.
To analyze how *tax burdens* are distributed among individuals and families who are either poor or elderly, or both.

R-404 (67-1).* EXPERIMENTAL CITY PROJECT. Univ. of Minnesota, 110 Architecture Bldg., Minneapolis, MN 55455; Walter K. Vivrett.
To develop a plan for a new city in which technological innovations could be demonstrated and tested, possibly pointing the way to a higher order of living.

R-405 (67-2).* A NATIONAL STUDY OF AFDC. Bureau of Social Science Research, 1200 17th St. N.W., Washington, DC 20036; Dr. Robert T. Bower.
A study to assess the *impact of differential aspects of State AFDC programs*.

R-406 (68-2).* DEVELOPMENT OF A SAMPLE DESIGN AND QUESTIONNAIRE FOR A STUDY OF THE EFFECT OF TITLE XIX OF THE SOCIAL SECURITY ACT ON UTILIZATION AND EXPENSES FOR HEALTH SERVICES BY LOW-INCOME FAMILIES. Columbia Univ., 600 West 168th St., New York, NY 10027; Ray E. Trussell, M.D.
To study the patterns of utilization and expenses of *health services* among low-income families and individuals.

R-408 (67-1).* AN ANALYSIS OF COSTS IN SHORT-TERM GENERAL HOSPITALS. Harvard Univ., 1746 Cambridge St., Cambridge, MA 02138; Dr. Ralph E. Berry, Jr.
To identify and measure the influence of factors which affect *hospital costs*.

R-413 (69-1). LOWER-CLASS MEN'S ATTITUDES TOWARD "DEVIANT" BEHAVIOR. Merrill-Palmer Inst., 71 East Ferry St., Detroit, MI 48202; Hyman Rodman.
To study lower-class attitudes toward "deviant" actions such as illegitimacy and common-law unions.

R-414 (67-2).* EVALUATION OF THE MISSISSIPPI COMBINED TITLE V-1115 PROJECT. Mississippi State Univ., Box 1139, State College, MS 39762; Dr. Kenneth P. Wilkinson.
To evaluate the results of a specially designed project combining a Section 1115 demonstration project and a Title V work experience project in a two-county area of Mississippi.

R-417 (67-1).* PROFESSIONALIZATION OF THE SOCIAL WORK STUDENT. Sch. of Applied Social Sciences, Case Western Reserve Univ., Cleveland, OH 44106; Irving Rosow.
A review of literature on *adult socialization* prior to the development of a research design in a school of social work.

R-418 (67-2).* AUTOMATION OF VENDOR DRUG CLAIMS. Sch. of Pharmacy, Univ. of Mississippi, University, MS 38677; Dr. Mickey C. Smith.
To investigate the feasibility of creating an improved *pharmaceutical information system*.

R-421 (68-1). THE NATIONAL CHILD LABOR COMMITTEE. Dept. of History and Social Welfare, Univ. of Wisconsin at Milwaukee, Milwaukee, WI 53201; Walter I. Trattor.
A historical study of *child labor reform* and the National Child Labor Committee.

R-425 (68-2). RESEARCH PROGRAM IN SOCIAL WELFARE. Sch. of Social Work, Univ. of Michigan, Ann Arbor, MI 48104; Dr. Robert D. Vinter.
To evaluate the utility of *socio-behavioral techniques* in the efforts of social workers.

R-426 (67-1).* TASK ORDER NO. 2 UNDER DHEW-BROOKINGS MASTER AGREEMENT. Brookings Inst., 1775 Massachusetts Ave., Washington, DC 20036.
Analysis of the *economics of social security* and of health care for the aged.

R-430 (68-2). SELF-HELP PROGRAM FOR ONE-PARENT HOUSEHOLDS. Associates for Research, 3625 Walnut St., Philadelphia, PA 19104; Dr. Abraham Wolf.
A research and demonstration project to *teach AFDC mothers secretarial skills* while facilities are provided for the care of their children.

R-434 (68-1). UTILIZATION OF IN-PATIENT SERVICES. Mount Sinai Hospital, 11 East 100th St., New York, NY 10029; Helen Rehr.
To describe the elderly patients who utilize the Mount Sinai inpatient facilities and the social factors which influence their *length of hospitalization*.

R-435 (68-2).* PARENTAL EXPERIENCES OF UNWED MOTHERS WHOSE FIRST CHILD IS NEAR SCHOOL AGE. 225 Park Ave. South, New York, NY 10003; Mignon Sauber.

A longitudinal study of 321 *unwed mothers* who kept their first child born out of wedlock.

R-441 (68-1). EFFECTS OF COINSURANCE ON MEDICAL CARE UTILIZATION. Palo Alto Medical Research Foundation, 860 Bryant St., Palo Alto, CA 94301; Mrs. Anne A. Scitovsky.

To examine the effects of a coinsurance provision on *utilization of medical services* by 2,000 families covered by a comprehensive prepayment plan.

R-444 (68-1). CARE OF DEVIANTS AND DEPENDENTS IN AMERICA: 1700-1860. Box 20, Low Memorial Library, Columbia Univ., New York, NY 10027; David J. Rothman.

To investigate changing concepts and practice in the care and treatment of deviants and dependents during colonial and pre-Civil War eras.

R-445 (68-1). MULTIVARIATE ANALYSIS OF RETIREMENT AND MEDICAL CARE. Duke Univ., Durham, NC 27706; Erdman Palmore.

To determine how much of the variation in *retirement and medical care* can be accounted for by various social, economic, and demographic variables.

R-449 (68-2). BENEFITS-TO-RISKS RATIO IN DRUG CHOICE BY PHYSICIANS. College of Pharmacy, 500 West 12th Ave., Columbus, OH 43210; Dr. Deanne E. Knapp.

To study the "influential" and high-prescribing physician; and the influence of a drug's benefits-to-risks ratio on *physician's drug choice behavior.*

R-457 (69-2). EFFICIENCY IN THE PRODUCTION OF HOSPITAL SERVICES. Harvard College, 1746 Cambridge St., Cambridge, MA 02138; Ralph E. Berry, Jr.

A statistical analysis of factors affecting *hospital costs.*

R-458 (68-2). URBANIZATION AND ITS EFFECTS ON THE NEGRO FAMILY. Univ. of Michigan, 1225 South University Ave., Ann Arbor, MI 48104; Dr. Reynolds Farley.

To describe socio-economic factors, cost and quality of housing, and trends in the *Negro family* system and Negro household composition.

R-463 (68-1). TAX POLICY AND CHILDREN'S ALLOWANCES. Dept. of Economics, Univ. of Michigan, Ann Arbor, MI 48108; Harvey E. Brazer.

A workable program of *children's allowances* within the present Federal income tax system.

R-464 (68-9 mo.).* CLEVELAND STUDENT HEALTH PROJECT. Sch. of Medicine, Case Western Reserve Univ., Cleveland, OH 44106; Israel S. Weisberg.

A project involving health-professional students working with *nonprofessional health aides* to formulate approaches to health-related problems.

R-467 (68-1). A PROPOSED STUDY OF DRUG UTILIZATION. Univ. of Southern California, University Park, Los Angeles, CA 90007; Robert F. Maronde.

To obtain information on the incidence of *drug reaction* in the inpatient and outpatient population of the Los Angeles County Hospital.

R-470 (69-1). DETERMINANTS OF DIFFERENTIAL FERTILITY. Dept. of Population & Family Health, Johns Hopkins Univ., 615 N. Wolfe St., Baltimore, MD 21205; John F. Kantner.

To determine the factors affecting the *fertility* of a large sample of *Negro females.*

R-478 (68-2). A STUDY OF COMMUNITY HEALTH CARE ORGANIZATION. Univ. of Pittsburgh, Pittsburgh, PA 15213; Edward Suchman.

To assess the *impact of the Medicaid Amendments* of 1965 and 1967 on organizations and personnel delivering health services to low-income families and individuals.

R-514 (69-1). ORIENTATION OF EMPLOYED MEN TO THEIR "POST-65 YEARS." Graduate Sch. of Social Welfare, Brandeis Univ., Waltham, MA 02154; Kenneth P. Newfield.

To study the wishes and expectations for the *post-65 years of life* of two groups of blue-collar factory workers.

R-521 (69-8 mo.). FISCAL IMPLICATIONS OF INCOME MAINTENANCE. Harvard Univ., Cambridge, MA 02138; Richard A. Musgrave, Ph.D.

To analyze the implications of a variety of *income maintenance proposals* in terms of U. S. *budget* constraints.

R-524 (70-6 mo.). THE TRUE COST OF FILLING A PRESCRIPTION IN KANSAS. Univ. of Kansas, Lawrence, KS 66044; Hugh A. Cotton, M.B.A.

To determine the true and actual *cost of filling a prescription* by figuring the professional time cost, the overhead cost, and the average price and cost of acquisition per prescription.

R-526-A (69-2). SENIOR COMPANIONS PROJECT. Community Action Commission of the Cincinnati Area, 829 Linn Mall, Cincinnati, OH 45214; Mrs. Izella Kendrick.

To determine the feasibility of *utilizing elderly retired persons as senior companions* to provide needed supportive services and assume representative payee responsibilities on behalf of incapable and marginally capable *aged social security beneficiaries* in selected institutional and community settings.

COOPERATIVE RESEARCH OR DEMONSTRATION PROJECTS

REGIONAL RESEARCH INSTITUTES IN SOCIAL WELFARE - Established to (1) conduct programmatic research in a core area of interest to the Region, as well as to the Nation as a whole, and (2) provide consultation services on research and demonstration projects to Regional and State public welfare staffs.

R-1000 (69-6). *Region IX*. Univ. of Southern California, Sch. of Social Work, University Park, Los Angeles, CA 90007; Dr. Genevieve Carter.

R-1001 (69-6). *Region IV*. Univ. of Georgia, Sch. of Social Work, Chandler Hall, Athens, GA 30601; Dr. Margaret Blenckner.

R-1002 (69-6). *Region III*. Univ. of Kentucky, Center for Developmental Change, Lexington, KY 40506; Dr. Howard W. Beers.

R-1003 (69-6). *Region VI*. Inst. for Community Studies, 301 East Armour Blvd., Kansas City, MO 64111; Dr. Constance Osgood.

R-1004 (70-6). *Region V*. Univ. of Chicago, 969 East 60th St., Chicago, IL 60637; Harold A. Richman and Margaret K. Rosenheim.

R-1005 (70-6). *Region II*. Columbia Univ. Sch. of Social Work, 2 East 91st St., New York, NY 10028; Hyman J. Weiner.

R-1006 (70-6). *Region I*. Inst. of Human Sciences, Boston College, Chestnut Hill, MA 02167; Dr. Demetrius S. Latridis.

PART 3

DEMONSTRATION PROJECTS IN PUBLIC ASSISTANCE

Demonstration Projects Approved Under Section 1115 The Social Security Act of 1962, as Amended

July 1963 - December 1969

D-001 (63-3 mo.).* SUMMER JOB PROGRAM. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Jack Goldberg.

To permit *youth* in AFDC families to participate in the Washington Action for Youth Summer Employment Program with the stipulation that their earnings from summer *employment* would not affect their families' eligibility for public aid.

D-002 (64-3).* IN-SERVICE TRAINING PROGRAM FOR SELECTED EXPERIENCED PUBLIC ASSISTANCE CASEWORKERS. Washington State Dept. of Public Assistance, P.O. Box 1162, Olympia, WA 98501; Elizabeth V. Thomas.

To demonstrate a new approach to inservice training which *combines intensive instruction* in a single training center and carefully *supervised on-the-job training* with small caseloads in local welfare agencies.

D-004 (63-3 mo.).* PUBLIC WELFARE BACK TO SCHOOL PROJECT. Vermont Dept. of Social Welfare, State House, Montpelier, VT 05602; Paul R. Philbrook.

To guide public welfare agencies in efforts to cooperate with a nationwide *"back-to-school" drive*, concentrating primarily on AFDC youth.

D-005 (63-3 mo.).* BACK-TO-SCHOOL. Colorado State Dept. of Public Welfare, 1600 Sherman St., Denver, CO 80203; Mrs. Elsie Schultz.

To guide public welfare agencies in efforts to cooperate with a nationwide *"back-to-school" drive*, concentrating primarily on AFDC youth.

D-006 (63-3 mo.).* BACK-TO-SCHOOL. New Mexico Health and Social Services Dept., P.O. Box 2348, Santa Fe, NM 87501; Mrs. Ellen R. Johnson.

To guide public welfare agencies in efforts to cooperate with a nationwide *"back-to-school" drive* in two counties heavily populated by *Indians*.

D-007 (63-3 mo.).* BACK-TO-SCHOOL. Ohio State Dept. of Public Welfare, 408 E. Town St., Columbus, OH 43215; Lois Bielfelt.

To guide public welfare agencies in efforts to cooperate with a nationwide *"back-to-school" drive*, concentrating primarily on AFDC youth.

D-010 (64-3).* PROTECTIVE SERVICES FOR ADULTS. Colorado State Dept. of Public Welfare, 1600 Sherman St., Denver, CO 80203; Royal Edgington.

To provide a specialized caseload, under skilled social work management, of *adults from the Old Age Assistance Program* who are vulnerable to exploitation or for other reasons need intensive services and the protection of *"restricted" cash payments*.

D-012 (64-3).* UNIVERSITY OF MISSOURI SCHOOL OF SOCIAL WORK EXPERIMENTAL PROGRAM. Missouri Dept. of Public Health and Welfare, State Office Bldg., Jefferson City, Mo. 65101; Theodore Ernst.

To test the effectiveness of *accelerated social work education* (one calendar year rather than two academic years), and to determine the optimum time span for *graduate social work education*.

D-015 (64-3).* LITERACY PROJECT. Tennessee State Dept. of Public Welfare, Nashville, TN 37219; Claud Corry.

To identify and assist *illiterate* public assistance recipients in securing *literacy education* by providing needed services, including day care for children and a special "literacy allowance."

D-016 (64-3).* ALTERNATIVE METHOD OF REVIEW OF CONTINUING ELIGIBILITY. West Virginia Dept. of Welfare, 1800 Washington St. East, Charlestown, WV 25305; Mrs. Lelia Fay.

To test the use of a *self-administered questionnaire in eligibility redetermination* for old-age recipients, and to determine whether individuals in need of services can be appropriately identified by the questionnaire method.

D-017 (64-2).* INCENTIVE FOR SCHOOL ATTENDANCE. West Virginia Dept. of Welfare, 1800 Washington St. East, Charlestown, WV 25305; W. Bernard Smith.

To test three alternative methods of providing *financial aid* to youth in AFDC families and of encouraging them to remain in *school*; payment for school-related work; increase in family assistance payments; and scholarship without work requirements.

D-018 (64-1).* VOCATIONAL REHABILITATION JOINT PROGRAM. Oregon State Public Welfare Comm., 422 Public Service Bldg., Salem, OR 97310; Ron C. Hammett.

A *joint effort* with the State Division of Vocational Rehabilitation to improve and increase the delivery of services to *disabled recipients* of public aid in Multnomah County.

D-019 (64-1).* WORK SCHOLARSHIP--AFDC. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Catherine G. Welsh.

To enable and encourage 500 AFDC *youth* to remain in school by providing school-related work *scholarships*.

D-020 (64-1).* VOCATIONAL REHABILITATION JOINT PROGRAM. Florida State Dept. of Public Welfare, P.O. Box 2050, Jacksonville, FL 32203; Margaret H. Jacks.

A *joint effort* with the State Vocational Rehabilitation agency to experiment with ways of improving services to *disabled recipients* of public assistance in two counties.

D-022 (64-1).* VOCATIONAL REHABILITATION JOINT PROGRAM. West Virginia Dept. of Welfare, 1800 Washington St., Charlestown, WV 25305; Earl Wolfe.

To improve professional *techniques* and administrative methods of providing joint rehabilitative and welfare services to increase the *personal independence* and employability of *disabled* AFDC recipients.

D-023 (64-2).* JOINT STATE AAVW-DPW PROJECT IN AGING. New Mexico Dept. of Public Welfare, Santa Fe, NM 87501; Mrs. K. Rose Wood.

To develop needed *community services* for *elderly persons*, to organize County Committees in Aging to serve as informational centers regarding facilities available to the aged, to strengthen a continuing State Committee on Aging, and to use volunteers to provide services.

D-024 (64-2).* IMPROVEMENT OF PUBLIC WELFARE ADMINISTRATION STATE AND LOCAL. New York State Dept. of Social Welfare, Albany, NY 12201; George W. Chesbro.

To improve the *administrative* effectiveness of public assistance programs at the State, district, and local levels by developing *improved patterns* for providing social services to needy individuals and by *training* supervisory staff to supervise the innovations.

D-025 (63-1 mo.).* BACK-TO-SCHOOL. California State Dept. of Social Welfare, 744 P St., Sacramento, CA 95814; Edward M. Curley.

To guide public welfare agencies in efforts to cooperate with a nationwide *"back-to-school" drive,* concentrating primarily on AFDC youth.

D-026 (64-2).* SPECIAL DEMONSTRATION PROJECT ON DROPOUTS. South Carolina State Dept. of Public Welfare, Columbia, SC 29202; Dr. James C. Kinard.

To demonstrate the usefulness of social services and special school-related financial assistance in *reducing school dropouts, and to interpret* to the public the need for improving the public welfare program.

D-030 (63-2).* AFDC-UP DEMONSTRATION. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; Earle V. Powell.

To *extend eligibility* for AFDC to families of the unemployed in nine Appalachian counties, and to establish community work and *training* programs to teach work skills to unemployed fathers.

D-032 (64-3).* EXPERIMENTAL WELFARE CENTER PROJECT. New York State Dept. of Social Welfare, Albany, NY 12201; Samuel Finestone.

To plan, administer, and supervise a series of social service and administrative *innovations* in collaboration with the Columbia University School of Social Work and to identify innovations which would increase the *efficiency* and effectiveness of welfare programs.

D-033 (64-2).* CITIZENS SERVICE PROGRAM. Louisiana Dept. of Public Welfare, P.O. Box 4065, Baton Rouge, LA 70804; Rosemary Morrissey.

To *interpret* to a selected group of *citizen* leaders the purpose, program, and problems of the public welfare agency to involve them in a continuing relationship with the agency.

D-035 (64-1).* VOCATIONAL REHABILITATION JOINT PROGRAM. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; Earle V. Powell.

A *joint effort* with the State vocational rehabilitation agency to experiment with improved ways of delivering *services* to *disabled* public assistance recipients in five counties.

D-036 (64-3 mo.).* A SOCIAL GROUP WORK ORIENTED CAMP PROJECT IN MITIGATING SOCIAL AND CULTURAL DEPRIVATION. Maine Dept. of Health and Welfare, Augusta, ME 04330; Sam Kadison.

To gain experience in providing a *summer camp* program for AFDC children which is designed to *enrich* their educational and social backgrounds, increase their motivation for education, improve their physical condition, and teach socially constructive democratic methods of participating with their peers.

D-037 (64-4).* FAMILY CENTERED SERVICE PROJECT OF THE ELM HAVEN CONCERTED SERVICES PROGRAM. Connecticut State Welfare Dept., 1000 Asylum Ave., Hartford, CT 06115; Eugene Milczanowski.

To establish a public welfare branch office in a low-income housing project in New Haven to provide *centralized* intake and *extended* services to *all* residents of the project.

D-038 (64-1).* VOCATIONAL REHABILITATION OF DISABLED PERSONS RECEIVING PUBLIC ASSISTANCE PAYMENTS. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Donald Gray.

A joint effort with the vocational rehabilitation agency to test new *cooperative* approaches to services for *disabled* adults receiving public assistance.

D-039 (64-5).* WEST SIDE URBAN RENEWAL PROJECT. New York State Dept. of Social Services, Albany, NY 12201; Magda R. Luft.

A large-scale *community* effort to help all residents through *intensive casework* services in the New York City West Side Urban Renewal program.

D-040 (64-4).* DEMONSTRATION IN COMMUNITY SERVICES. North Carolina State Dept. of Public

Welfare, Education Building, P.O. Box 2599, Raleigh, NC 27602; Junius S. Grimes III.

To enable public welfare agencies in 25 counties, mostly rural, to take part in and lead *community planning* of *new* and *extended* social services, particularly for low-income persons.

D-041 (64-2).* BUSINESS, EDUCATIONAL, EMPLOYMENT SERVICES PROJECT. Georgia State Dept. of Family and Children Services, State Office Bldg., Atlanta, GA 30334; Gilbert G. Dulaney.

To provide *academic* and *vocational* training to out-of-school *youth* between the ages of 16 and 19 from AFDC families to help them prepare for *self-support*.

D-042 (64-1).* NATURAL DISASTER REHABILITATION. Alaska Department of Health and Welfare, Pouch H, Health and Welfare Bldg., Juneau, AK 99801; George P. Spartz.

To provide families adversely affected by the 1964 Alaskan earthquake with *financial assistance and social services* in an effort to restore them promptly to normal functioning.

D-044 (64-3).* HOMEMAKER PROJECT- TROUP COUNTY. Georgia State Department of Family and Children's Services, State Office Bldg., Atlanta, GA 30334; Mrs. Belle L. Bradfield.

To provide *homemaker* services to preserve and strengthen family life by maintaining the family as a unit during periods of need, and to *teach* improved homemaking skills to adults in public assistance families.

D-045 (64-3 mo.).* "WAY" SUMMER JOB PROGRAM (1964). District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Donald D. Brewer.

To permit AFDC *youth* to participate in the Washington Action for Youth Summer Employment Program with the stipulation that their earnings from summer *employment* would not affect their families' eligibility for public aid.

D-053 (64-1).* THE USE OF A CONSULTANT IN AGING. Arkansas Dept. of Public Welfare, State Capitol Mall, P.O. Box 1437, Little Rock, AR 72203; Jim Phillips.

To employ a *consultant* in aging to *coordinate services for the aged* and to develop new programs and methods for *delivery of services*.

D-054 (64-1).* CONSULTANT IN AGING. Vermont Dept. of Social Welfare, State House, Montpelier, VT 05602; John J. Wackerman.

To employ a *consultant* in aging to *coordinate community services* to older persons and to *expand* the services offered.

D-057 (64-3).* CONSULTANT ON SOCIAL GROUP WORK SERVICES. Minnesota Dept. of Public Welfare, Centennial Bldg., 658 Cedar St., St. Paul, MN 55101; L. Merritt Brown.

To employ a group work *consultant* to *develop* and *coordinate* group services to the county agencies.

D-058 (64-3).* SOCIAL WORK CAREERS. Minnesota Dept. of Public Welfare, Centennial Bldg., 658 Cedar St., St. Paul, MN 55101; Herbert Gardner.

To employ a *recruitment* consultant to develop and coordinate new recruitment methods and materials.

D-059 (64-3).* CONSULTANT IN COMMUNITY SERVICES AND PLANNING. Minnesota Dept. of Public Welfare, Centennial Bldg., 658 Cedar St., St. Paul, MN 55101; L. Merritt Brown.

To employ a *consultant* to develop methods of coordinating the *community planning* efforts of various statewide voluntary and public agencies and to provide consultation to local agencies.

D-063 (64-2).* CONSULTANT ON COMMUNITY SERVICES. Colorado State Dept. of Social Services, 1600 Sherman St., Denver, CO 80203; Orlando Romero.

To employ a *consultant* to develop methods of *coordinating* the community planning efforts and to *develop* new services.

D-066 (64-3).* HOMEMAKER SERVICES IN MENOMINEE COUNTY. Wisconsin State Dept. of Public Welfare, State Capitol Bldg., Madison, WI 53702; Wilbur J. Schmidt.

To stimulate, develop and organize *homemaker* services in a county largely populated by Menominee *Indians* and to *teach* the women improved homemaking standards and skills.

D-071 (64-3).* WORK READINESS--CLATSOP COUNTY. Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; Andrew F. Juras.

To improve the *employability* of present and potential public assistance recipients through the establishment of a community *work* and *training* program in Clatsop County.

D-072 (64-3).* PRUITT-IGOE EXPANDED SERVICES PROJECT. Missouri Dept. of Public Health and Welfare, State Office Bldg., Jefferson City, MO 65101; Wilbert Long.

A central feature of a large-scale *concerted services* project at the Pruitt-Igoe *low-income housing project* in St. Louis, which provides medical, dental, and school lunch assistance, recreational programs, legal and educational services, home management classes, and centralized intake and eligibility services.

D-073 (64-3).* BERNALILLO COUNTY HOMEMAKER DEMONSTRATION PROJECT. New Mexico Dept. of

Public Welfare, 408 Galisteo St., Sante Fe, NM 87501; Monte May Riley.

To provide *homemaker* services in several communities in Bernalillo County.

D-074 (64-1).* USE OF A STATE COMMUNITY WORK AND TRAINING CONSULTANT. Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; James L. Pullman.

To employ a *consultant* to strengthen the administration of *community work* and training programs and to *develop* new programs utilizing Economic Opportunity Act, Title V.

D-075 (64-2).* USE OF CONSULTANT IN COMMUNITY SERVICES. Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; James L. Pullman.

To employ a *consultant* to provide community planning *assistance* and consultation to State and local public welfare agencies.

D-076 (64-3).* RIO GRANDE--SAQUACHE BETTER HOMES DEMONSTRATION PROJECT. Colorado State Dept. of Public Welfare, 1600 Sherman St., Denver, CO 80203; Robert W. Beals.

To give special services in *home management* and skills to *Spanish* surname families receiving AFDC.

D-077 (64-3).* SALT LAKE COUNTY PROJECT IN USE OF CONSULTANT ON COMMUNITY SERVICES. Utah State Dept. of Public Welfare, 419 State Capitol, Salt Lake City, UT 84111; Lloyd H. Nelsen.

To employ a *consultant* on community services to assist the State agency in becoming more actively involved in community *planning* and *organization*.

D-078 (64-3).* SILVER BOW COUNTY SPECIALIZED CASELOAD. Montana State Dept. of Public Welfare, P.O. Box 1723, Helena, MT 59601; Josephine McArthur.

To demonstrate the value of a small specialized caseload of *multiproblem* families, to be carried by an experienced social worker responsible for coordinating all relevant social agencies and *resources* in behalf of these families.

D-082 (64-3).* USE OF AREA CONSULTANTS IN AGING. Washington State Dept. of Public Assistance, P. O. Box 1162, Olympia, WA 98501; Margaret Whyte.

To employ three *area* consultants in aging as members of the State agency staff to study the *needs* of the elderly and develop new *services* on their behalf.

D-086 (64-3).* THE USE OF A CONSULTANT ON AGING. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin TX 78701; Dorothy E. Mood.

To employ a *consultant* on *aging* to *relate* the public welfare program in behalf of the aged more closely to other relevant services, organizations, and agencies.

D-091 (66-2).* RECRUITMENT OF PERSONNEL. Oregon State Public Welfare Commission, Public Service Bldg., Salem, OR 97301; Robert A. Quellette.

To employ a *recruitment* coordinator to develop new and experimental recruitment techniques and conduct a comprehensive program of recruitment.

D-104 (64-3).* INCENTIVE BUDGETING TO CREATE CLIENT MOTIVATION. Ohio Dept. of Public Welfare, 408 East Town St., Columbus, OH 43215; John J. Schaffer.

To encourage innovations in *financial* assistance to provide *incentives* for employment and improved care of dwellings.

D-113 (64-1).* NURSING HOME CARE PAYMENTS. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; William B. Tollen.

To *waive* "plan" *requirements* in the Social Security Act to permit a higher allowance for *nursing home care* when voluntary contributions of relatives, friends, and agencies are available.

D-118 (65-3).* VOCATIONAL REHABILITATION OF RIO PIEDRAS, PONCE AND MAYAGUEY PUBLIC WELFARE CLIENTS. Puerto Rico Dept. of Social Services, P.O. Box 9342, Santurce, PR 00908; Angel Pagan.

A *joint* effort with the *Vocational* Rehabilitation Division to provide a concentrated program of services for disabled public assistance recipients.

D-119 (65-2).* OAS MAIL QUESTIONNAIRE FOR ELIGIBILITY DETERMINATION. California State Dept. of Social Welfare, 2415 First Ave., Sacramento, CA 95818; Thomas Pyott.

To test the use of a *mail questionnaire* for *eligibility* determination in OAA in four counties.

D-120 (65-3).* OAP REINVESTIGATION OF ELIGIBILITY PROJECT. Colorado State Dept. of Public Welfare, 1600 Sherman St., Denver, CO 80203; Mrs. Ruth Pierce.

To test the use of a *questionnaire* in redetermining *eligibility* for OAA in terms of savings in costs, accuracy, and worker time.

D-122 (65-3 mo.).* "WAY" SUMMER JOB PROGRAM (1965). District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Donald D. Brewer.

To permit AFDC *youth* to participate in the Washington Action for Youth Summer *Employment* Program with the stipulation that their earn-

ings from summer employment would not affect their families' eligibility for public aid.

D-124 (65-3 mo.).* YOUTH OPPORTUNITY. Colorado State Dept. of Public Welfare, 1600 Sherman St., Denver, CO 80203; Ruth Pierce.

To encourage AFDC *youth* to seek *employment* during the summer by exempting their earnings from consideration in determination of the family's eligibility for public assistance.

D-126 (65-3).* OPERATION FAIRPLAY. Kansas State Dept. of Social Welfare, State Office Bldg., Topeka, KS 66612; Claude G. Frese.

To demonstrate a more *equitable* and simplified *method* of determining need for partially or fully employed AFDC mothers.

D-128 (66-2).* PROMOTION OF RECRUITMENT AND SOCIAL WORK EDUCATION. Massachusetts Dept. of Public Welfare, 600 Washington St., Boston, MA 02111; Mary A. Darragh.

To employ a recruitment and professional *coordinator* to develop *recruitment* techniques and activities.

D-137 (66-2).* OPERATION BOOTSTRAP. Maryland State Dept. of Public Welfare, 1315 St. Paul St., Baltimore, MD 21202; James A. Vidmar.

To add seven staff *specialists* to the State agency staff to *strengthen* services and develop new programs for low-income families and individuals.

D-138 (66-1).* THE EFFECT OF INCREASING FINANCIAL ASSISTANCE TO FAMILIES WITH AFDC GRANTS. Maryland State Dept. of Public Welfare, 1315 St. Paul St., Baltimore, MD 21202; Irene Olson.

To measure the effect of *raising family income* from well below minimal standards of health and decency to a level slightly above the poverty line as defined by the Economic Opportunity Act.

D-139 (66-3).* NEW APPROACHES IN USE OF VOLUNTEER SERVICES. Wisconsin State Dept. of Health and Social Services, One West Wilson St., Madison WI 53702; John Erickson.

To employ a *volunteer* services *consultant* to develop, direct, and coordinate volunteer services in public welfare.

D-140 (66-3).* CERTIFICATE PROGRAM. Oregon State Public Welfare Commission, 400 Public Service Bldg., Salem, OR 97310; Oscar Kurren.

To provide a practice-focused approach to *professional training* of workers who have not received graduate training in social work.

D-141 (66-3).* SALT LAKE COUNTY PROJECT IN THE USE OF VOLUNTEER SERVICES DIRECTOR. Utah State Dept. of Public Welfare, 419 State Capitol, Salt Lake City, UT 84111; Algie Balliff.

To employ a volunteer services director to develop, coordinate, and supervise an agencywide *volunteer services* program.

D-142 (66-3). OPERATION BOOTSTRAP. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Winifred G. Thompson.

To employ 10 staff *specialists* in the welfare agency to *strengthen* services and *develop* new programs for low-income families and individuals.

D-143 (66-3).* RECRUITMENT AND ORIENTATION OF BACHELOR'S DEGREE GRADUATES INTO THE PUBLIC WELFARE DEPARTMENT. Utah State Divison of Public Welfare, 223 State Capitol Bldg., Salt Lake City, UT 84111; John H. Compton.

An experiment in *recruitment* and intensive *training* to upgrade the competence of personnel in beginning casework positions in the Utah public welfare program.

D-145 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. District of Columbia Dept. of Public Welfare, 122 C St N.W., Washington, DC 20001; Winifred G. Thompson.

To more closely relate schools of social work and public agencies by employing *social work faculty* during the summer months to enrich and improve the public welfare program.

D-146 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Mississippi Dept. of Public Welfare, P.O. Box 1669, Jackson, MS 39205; Mrs. Mary Jewell Barnett.

To more closely relate schools of social work and public agencies by *employing social work faculty* during the summer months to enrich and improve the public welfare program.

D-147 (66-1).* CONSULTANT ON AGING. Mississippi Dept. of Public Welfare, Fondren Station, P.O. Box 4321, Jackson, MS 39216; George N. Sadka.

To employ a *consultant* on *aging* to develop and coordinate services to the aged.

D-148 (66-2).* SPECIAL ADC PROJECT. Mississippi Dept. of Public Welfare, P.O. Box 4321, Fondren Station, Jackson, MS 39216; Ed Bass.

To provide both *assistance payments* to cover full needs and more adequate social services in reduced caseloads.

D-149 (66-3 mo.).* SUMMER WORKSHOP PROJECT. Washington State Dept. of Public Assistance, P.O. Box 1162, Olympia, WA 98501; Marian Wold.

To more closely relate schools of social work and public agencies by employing *social work faculty* during the summer months to enrich and improve the public welfare program.

D-150 (66-3).* DEMONSTRATION PROJECT IN ESTABLISHING AND COORDINATING COMPREHENSIVE SOCIAL SERVICES TO AGED, ILL, AND HANDICAPPED RECIPIENTS IN PUBLIC HOUSING. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin, TX 78701; J. Dennis Sullivan.

To demonstrate the extent and costs of *services* needed by *aged* and *disabled* recipients of public assistance who reside in *public housing*.

D-151 (66-3).* OPERATION BOOTSTRAP. Colorado State Dept. of Public Welfare, Capitol Life Center, 1600 Sherman St., Denver, CO 80203; Ruth S. Pierce.

To employ a "recruitment" coordinator who will be responsible for developing and implementing methods and techniques in recruiting.

D-152 (66-3 mo.).* SUMMER EMPLOYMENT OF FACULTY FROM SCHOOLS OF SOCIAL WORK. Colorado State Dept. of Public Welfare, 1600 Sherman St., Denver, CO 80203; James A. Watson.

To more closely relate schools of social work and public agencies by employing *social work faculty* during the summer months to enrich and improve the public welfare program.

D-153 (66-1).* EMPLOYMENT OF SOCIAL WORK FACULTY AS CONSULTANTS. Wyoming State Dept. of Public Welfare, Cheyenne, WY 82001; Rod Underwood.

To more closely relate schools of social work and public agencies by employing *social work faculty* during the summer months to enrich and improve the public welfare program.

D-154 (66-2).* DEMONSTRATION IN SOCIAL GROUP WORK AND YOUTH SERVICES. Guam Dept. of Public Health and Welfare, Government of Guam, P.O. Box 2816, Agana, Guam 96910; Robert E. Leon Guerrero.

To develop a comprehensive *community program* plan to provide a full range of *youth* services, including leisure time activities, to children in trouble.

D-155 (66-1).* THE BEGINNING ESSENTIALS OF CASEWORK. Georgia Dept. of Family and Children's Services, State Office Bldg., Atlanta, GA 30303; Gerald S. Blackwell.

To more closely relate schools of social work and public agencies by employing *social work faculty* during the summer months to enrich and improve the public welfare program.

D-156 (66-1).* STAFF DEVELOPMENT AND COMMUNITY ORGANIZATION. Nevada State Welfare Division, 201 South Fall St., Carson City, NV 89701; Phillip P. Hannifin.

To employ six *faculty* members from schools of social work to assist in planning and directing a *comprehensive staff development* program.

D-157 (66-1).* INTENSIVE CONSULTATION ON STAFF DEVELOPMENT PLANNING AND IMPLEMENTATIONS. Nevada Dept. of Health and Welfare, 515 East Musser St., Carson City, NV 89701; Mrs. Thomasine Hendricks.

To employ a highly trained specialist in *staff development* to provide consultation to the State agency.

D-159 (66-3 mo.).* SOCIOLOGY OF POVERTY WORKSHOPS. Tennessee Dept. of Public Welfare, 410 State Office Bldg., Nashville, TN 37219; Lawrence H. Gangaware.

To more closely relate schools of social work and public agencies by employing *social work faculty* during the summer months to enrich and improve the public welfare program.

D-160 (66-3 mo.).* ADMINISTRATION AND SUPERVISION INSTITUTE FOR FIRST LINE SUPERVISORS. Tennessee Dept. of Public Welfare, 410 State Office Bldg., Nashville, TN 37219; Willie V. Bratton.

To employ *social work faculty* during the summer months to conduct institutes relating to the dynamics of public welfare.

D-161 (66-3).* HOMEMAKER PROJECT. Mississippi State Dept. of Public Welfare, P.O. Box 4321, Fondren Station, Jackson, MS 39216; Mrs. Faye G. Smith.

To initiate a *homemaker* program in two counties to raise levels of living through improved *home management* and *child care*.

D-162 (66-3 mo.).* EMPLOYING SOCIAL WORK FACULTY. Montana State Dept. of Public Welfare, P.O. Box 1723, Helena, MT 59601; John Coey, Jr.

To employ *social work faculty* during the summer months to assist in improving the *delivery* of social services and the focus of inservice *training*.

D-163 (66-1).* CONSUMER SERVICE UNIT. New Jersey Dept. of Institutions and Agencies, 129 East Hanover St., Trenton, NJ 32203; Robert C. Wells.

To demonstrate an approach to alleviating *consumer problems* and reducing dependency by providing a comprehensive *educational-service* program for debt-ridden low-income families.

D-164 (66-2).* WELFARE OPERATION ANALYSIS. New Mexico Dept. of Public Welfare, P.O. Box 2348, Santa Fe, NM 87501; Phillip C. de Baca.

To employ additional State agency staff to *strengthen the operation* of the public welfare agency and to *develop new programs* for low-income families and individuals.

D-166 (66-3 mo.).* EMPLOYING SOCIAL WORK FACULTY. Utah State Dept. of Public Welfare,

State Capitol Bldg., Salt Lake City, UT 84114; Kathryn Desserich.

To employ *social work faculty* during the summer months to enrich and improve the public welfare program, in the areas of *staff utilization, caseloads,* and *training.*

D-167 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING EMPLOYMENT OF SOCIAL WORK FACULTY. Missouri Dept. of Public Health and Welfare, State Office Bldg., Jefferson City, MO 85102; Clarence Keathley.

To employ *social work faculty* during the summer months to enrich and improve the public welfare program.

D-168 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Michigan State Dept. of Social Services, 300 South Walnut St., Lansing, MI 48913; Anthony Landolfi.

To employ five *social work faculty* members during the summer months to provide inservice *training* for training consultants and develop special materials for training.

D-169 (66-1 mo.).* SUMMER INSTITUTE FOR STAFF DEVELOPMENT. Vermont Dept. of Social Welfare, State Office Bldg., Montpelier, VT 05602; Miriam O. Page.

To employ a *social work faculty* member during the summer months to provide *consultation* to staff development specialists in the State agency and to conduct inservice training institutes.

D-170 (66-1).* EMPLOYING SOCIAL WORK FACULTY FOR SUMMER 1966. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; C. Leslie Dawson.

Use of social science *professors* to *stimulate student interest* in and understanding of public welfare programs, problems, and careers; to counsel recipients of public assistance.

D-171 (66-4). HIGHER EDUCATION PROJECT. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; Opal Lee Taylor.

To assist and guide poor but *gifted youth* who plan *to continue their education* in State colleges through employment and transitional counseling, discussions, etc.

D-172 (66-1).* STUDENT TRAINEE DEMONSTRATION PROJECT. Alaska Dept. of Health and Welfare, P.O. Box 3-2000, Juneau, AK 99801; Graycie Smith.

To improve the relationship between public welfare agencies and schools of social work through a *summer student training* project.

D-173 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Hawaii Dept. of Social Services, P.O. Box 339, Honolulu, HI 96809; Mae S. Ashaina.

To employ a university *professor* to assist in developing an overall *inservice training* plan for supervisors in the public welfare department and provide future consultative services.

D-175 (66-1).* FAMILY EMERGENCY SERVICES. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Winifred G. Thompson.

To demonstrate the effectiveness of *closely coordinated* public assistance and child welfare *efforts* in meeting *crisis* situations among low-income families and individuals through social services and emergency financial assistance to *prevent* family deterioration and generate constructive long-term planning.

D-176 (66-3 mo.).* SUMMER PROJECT EMPLOYING SOCIAL WORK FACULTY. Louisiana Dept. of Public Welfare, P. O. Box 4065, Baton Rouge, LA 70804; Ovelle Thomas.

To enable public welfare agencies to relate more closely to schools of social work by employing a university *professor* to study the *medical care* program and to plan and develop staff training in medical care aspects of social work.

D-177 (66-3 mo.).* ORLEANS PARISH SUMMER EXTENSION OF JOINT PROJECT WITH TULANE. Louisiana Dept. of Public Welfare, P.O. Box 4065, Baton Rough, LA 70804; Mrs. Alice Clark.

Use of a *school-agency* service center to *evaluate* and *initiate* new approaches and to study in depth the separation of eligibility determination and social services approach.

D-178 (66-3 mo.).* EMPLOYING SOCIAL WORK FACULTY. Guam Dept. of Public Health and Welfare, P.O. Box 2816, Agana, Guam 96910; Robert E. Leon Guerrero.

To employ a social work *professor* to conduct a *training* program to improve functioning of agency staff members.

D-179 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Oregon Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; Elizabeth Goddard.

To employ social work *professors* to prepare material for inservice *training* of welfare workers, to conduct training sessions, and to plan undergraduate placements in public welfare agencies.

D-180 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Rhode Island Dept. of Social Welfare, One Washington Ave., Providence, RI 02905; Leonard Bloksberg.

To employ a *social work faculty* member to develop *research* proposals and review the methods used by the welfare department in collecting, recording, and utilizing data.

D-182 (66-3).* HOMEMAKER SERVICE. South Carolina State Dept. of Public Welfare, P.O. Box 1520, Columbia, SC 29202; Arthur B. Rivers, Ph.D.

To employ and train *homemakers* to provide services to families receiving public assistance when the natural homemaker is ill or when the family is facing a crisis situation.

D-185 (66-3 mo.).* REVISION OF ORIENTATION MANUAL. Louisiana Dept. of Public Welfare, P.O. Box 4065, Baton Rouge, LA 70804; Byron Pinsky.

To employ a social work *professor* to rewrite, update, and improve the public welfare agency's *orientation manual* for new employees.

D-187 (66-3).* DEMONSTRATION PROJECT FOR RECRUITMENT PLACEMENT IN THE SOCIAL WELFARE AND HEALTH CAREER FIELDS. Kentucky Dept. of Economic Security, Frankfort, KY 40601; James F. Thompson.

To develop a *recruitment* program in a comprehensive effort to attract college graduates into social work positions in State social welfare and health agencies.

D-188 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Maine Dept. of Health and Welfare, Augusta, ME 04330; Ralph Cowell.

To employ a *social work faculty* member to provide *consultation* to the agency staff development supervisor; to provide ongoing staff training, particularly for district supervisors.

D-189 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Minnesota Dept. of Public Welfare, Centennial Bldg., St. Paul, MN 55101; Gary Haselhuhn.

To use *social work faculty* members to develop the *content of a teaching plan* and material related to the care and treatment of *children* outside their own homes.

D-190 (66-1).* OPERATION BOOTSTRAP--BALTIMORE CITY. Maryland State Dept. of Public Welfare, 1315 St. Paul St., Baltimore, MD 21202; Esther Lazarus.

To employ seven new professional persons to *implement* further the *1962 Amendments to the Social Security Act*, and to make a unified and coordinated effort to *improve social services* to families receiving public assistance.

D-191 (66-1).* SOCIAL SERVICES PROGRAMMING DEMONSTRATION PROJECT. Alaska Dept. of Health and Welfare, P.O. Box 3-2000, Juneau, AK 99801; George P. Spartz.

To utilize *social work faculty* members in reviewing and revising *policies* and *procedures* previously developed with respect to the social services program, with special emphasis to be placed on an evaluation of the State fee agent system.

D-192 (66-1).* FAMILY REHABILITATION DEMONSTRATION PROJECT. Alaska Dept. of Health and Welfare, P.O. Box 3-2000, Juneau, AK 99801; George P. Spartz.

To use a *faculty* member and five social work graduate students to explore the present situation and future alternatives of *children* placed in *foster homes* who have never received adequate social service planning for their long-range welfare.

D-194 (66-3).* LEGAL ENTITLEMENT ASSURANCE PROGRAM. Delaware Dept. of Public Welfare, P.O. Box 309, Wilmington, DE 19899; Mrs. Ruby Winchester.

To provide *legal services* in two *rural* counties to public welfare recipients and selected nonrecipients, and to train welfare workers to refer needy low-income cases.

D-195 (66-3 mo.).* EMPLOYMENT OF SCHOOL SOCIAL WORK FACULTY. Ohio Dept. of Public Welfare, 408 East Town St., Columbus, OH 43215; Clarence V. Tittle, Jr.

To employ *social work faculty* members to conduct *inservice training* institutes for welfare department supervisors and field staff; to assist in developing guidelines and special material for ongoing orientation and staff development.

D-196 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND DEMONSTRATION PROJECT UTILIZING UNIVERSITY FACULTY. Wisconsin Dept. of Public Welfare, State Capitol Bldg., Madison, WI 53702; Allen T. Zoeller.

To employ a *faculty* member to identify and interpret behavior of *social workers* with respect to certain "time-honored" concepts, and to give direct casework to a small number of multiproblem families.

D-197 (66-1).* SHEBOYGAN COUNTY INTAKE AIDE. Wisconsin Dept. of Public Welfare, State Capitol Bldg., Madison, WI 53702; Anthony J. Baron.

To use *clerical staff* as *Intake Aides*, thus freeing considerable "caseworker time" presently required in the eligibility determination process.

D-198 (66-3).* CASE AIDE PROJECT. Wyoming Dept. of Public Welfare, Cheyenne, WY 82001; Mrs. Mary Fitzpatrick.

To *use AFDC mothers* in Laramie County Dept. of Public Welfare to relieve professional staff members of part of the work of establishing

eligibility and to *assist* them in providing services.

D-199 (66-3 mo.).* SUMMER WELFARE AND EXPERIENCE - EMPLOYMENT OF SOCIAL WORK SCHOOL FACULTY. California Dept. of Social Welfare, P.O. Box 8074, Sacramento, CA 95818; Eunice B. Evans.

To employ *social work faculty* members to carry out *research*, staff *development*, and social service *activities* for various local public welfare agencies.

D-200 (66-3).* PLANNING FOR AND IMPLEMENTING EMERGENCY WELFARE PREPAREDNESS. Arizona State Dept. of Public Welfare, 1624 West Adams, Phoenix, AR 85007; Ira N. McAlister.

To test the capacity of a public welfare agency to develop and implement statewide *preparedness* programs to cope with *national disaster* and *post-attack* situations.

D-202 (66-3 mo.).* A DEMONSTRATION OF COMBINED PROFESSIONAL CONSULTATION AND GROUP SUPERVISION AS A TRAINING SERVICE FOR A GROUP OF AGENCY TRAINED WORKERS AND SUPERVISORS. Washington Dept. of Public Assistance, P.O. Box 1162, Olympia, WA 98501; Alma Gentry.

To provide professional casework *consultation* and *supervision* to a group of 12 caseworkers and their supervisors; to prepare guidelines for *teaching* casework intervention methods to staff who lack professional training.

D-203 (66-1).* PUBLIC INFORMATION PROJECT. Arizona Dept. of Public Welfare, 1624 West Adams, Phoenix, AZ 85001; Robert J. Sharp.

To provide for the establishment of a *public information* service in a State public welfare agency.

D-204 (66-3 mo.).* PROJECT TO COORDINATE SUMMER ACTIVITIES FOR CHILDREN IN URBAN AREAS. Louisiana State Dept. of Public Welfare, P.O. Box 4065, 222 Boyd Ave., Baton Rouge, LA 70804; Mrs. Edith G. Ross.

To coordinate activities provided by special summer projects for children; to develop and implement plans aimed at obtaining the most advantageous use of available *summer programs* for AFDC *children* in seven parishes.

D-205 (66-3 mo.).* PLANNING STAFF TRAINING. Wisconsin Dept. of Public Welfare, State Capitol Bldg., Madison, WI 53702; Kenneth E. Kringle.

To develop content for and begin presentation of a specialized *training* course in *community planning* and *group work* for field staff members of the Wisconsin public welfare agency.

D-207 (66-1).* INNOVATIVE APPROACH TO TEACHING SOCIAL WORK SKILLS IN AFDC. Texas Dept. of Public Welfare, Reagan State Office Bldg., Austin, TX 78701; Maurine Currin.

To contract with the Southwest Texas Education Council to develop and *produce* two *teaching films* on interviewing skills in social work.

D-208 (66-1).* FIELD MARKETING COORDINATION PROJECT. West Virginia Dept. of Welfare, 1800 Washington St. East, Charleston, WV 25305; Mrs. Barbara Holmes.

To place *field-marketing coordinators* on a local level to work with individuals from low-income families to cultivate their interest in the *production* of farm related products and to assist during the production phase and in *marketing*.

D-209 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. New Jersey Division of Public Welfare, 129 East Hanover St., Trenton, NJ 08608; E. F. Hann, Jr.

To employ faculty members in the State agency to *conduct workshops* for 225 casework *supervisors* and other specialists employed by the 21 New Jersey county welfare boards.

D-211 (66-1).* ELECTRONIC DATA PROCESSING CONVERSION PROJECT. Nevada State Welfare Division, 201 South Fall St., Carson City, NV 89701; Karl R. Harris.

To employ three *welfare system analysts* and one key punch operator to improve their present *system* of payment, statistical evaluation, and case management procedures, and to *convert* them to a *computer* system.

D-214 (66-3).* OPERATION BOOTSTRAP. New Jersey Dept. of Institutions and Agencies, P.O. Box 1237, Trenton, NJ 08625; Irving J. Engelman.

To employ specialists in staff *development*, *homemaker* services, *public information*, and coordination of *program* development to improve the administration of the State program.

D-215 (66-3 mo.).* WASHINGTON ACTION FOR YOUTH EMPLOYMENT PROGRAM, WASHINGTON, D.C. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Winifred G. Thompson.

To provide *summer employment* experience in public and private employment for *youth* between 16 and 21 years of age.

D-217 (66-3).* COMMUNITY ORGANIZATION AND SERVICES TO IMPROVE FAMILY LIVING. Maryland State Dept. of Social Services, 1315 St. Paul St., Baltimore, MD 21202; Mrs. Bette Stein.

To provide *special services* in health, *housing*, and family living to large AFDC families to demonstrate that when they are provided with adequate financial resources and social services, they can sustain a pattern of improved family living.

D-219 (66-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. North Carolina State Dept. of Public Welfare, Education Bldg., P.O. Box 2599, Raleigh, NC 27602; A. William Safriet.

To employ faculty members to improve *case-work skills* of public welfare workers and to develop teaching materials on *intake* which will be used by staff development personnel in future inservice training sessions.

D-229 (66-3).* OPERATION FIRST STEP. Arizona Dept. of Public Welfare, State Office Bldg., Phoenix, AR 85007; Mrs. Dorothy Galloway.

To demonstrate the value of *using AFDC mothers* trained as *home management advisors* to work with caseworkers on difficult assistance cases.

D-230 (66-3). SCHOOL SOCIAL WORKER. Alaska Dept. of Health and Welfare, Pouch H, Health and Welfare Bldg., Juneau, AK 99801; Mrs. Diane Tickell.

To employ a school social worker in the Juneau Borough School District to provide *school oriented casework services* to children in AFDC and other low-income families.

D-231 (66-2).* RECRUITMENT AND PERSONNEL ASSISTANT PROJECT. Alaska Dept. of Health and Welfare, Pouch H, Health and Welfare Bldg., Juneau, AK 99801; John T. Cross.

To set up a program in the State agency to *recruit* qualified social workers.

D-232 (66-3).* ADMINISTRATIVE ANALYSIS OF COUNTY WELFARE DEPARTMENT. Minnesota Dept. of Public Welfare, Centennial Bldg., 658 Cedar St., Saint Paul, MN 55101; Morris Hursh.

To *employ* an administrative supervisor and an administrative analyst to help *improve* county welfare *administration*.

D-234 (66-3).* GROUP WORK SERVICES. Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; Bertha Roth.

To employ a consultant on *group methods* in the State agency to help county agencies develop group services; to train staff members in group methods; to supervise a county demonstration of group work services; and to develop guidelines.

D-235 (67-3). WINNEBAGO COUNTY FOSTER FAMILY CARE. State of Wisconsin Dept. of Health and Social Services, State Capitol Bldg., Madison, WI 53702; Norman Whitford.

To demonstrate the value of a *foster family care program* for adult welfare recipients, including persons released from county and State *mental hospitals*.

D-239 (66-2).* OPERATION BOOTSTRAP. Michigan State Dept. of Social Services, Lewis Cass Bldg., Walnut and Washtenaw Sts., Lansing, MI 48913; Myrna Goss.

To employ specialists in community planning, legal services, homemaker services, *group* work, and *volunteer* service to promote, organize, establish, and extend such services.

D-240 (66-3).* RECRUITMENT OF PERSONNEL. Iowa Dept. of Social Services, State Office Bldg., Des Moines, IA 50319; Raymond V. Sundberg.

To employ a supervisor to develop a continuous statewide *recruitment* program for professional social workers and technical workers.

D-241 (66-2).* PEORIA AREA HOMEMAKER. Illinois Dept. of Public Aid, 400 South Spring St., Springfield, IL 62706; Mrs. Sandra S. Jones.

To demonstrate the value of *homemaker* services in four county welfare departments.

D-243 (66-3). SPECIAL DEMONSTRATION PROJECT FOR STRENGTHENING OF PUBLIC ASSISTANCE SERVICES AS THEY RELATE TO NAVAJO AGENCIES. Arizona Dept. of Public Welfare, State Office Bldg., Phoenix, AZ 85007; Jean Louis Amand.

To demonstrate the value of giving *intensive services* to *Navajo* families to test the value of services provided by Navajo-speaking caseworkers who understand the needs of Navajo Indians and their traditional patterns.

D-244 (66-2).* RED LAKE COUNTY WELFARE BRANCH OFFICE. Minnesota Dept. of Public Welfare, Centennial Office Bldg., St. Paul, MN 55101; Charles E. Melberg.

To provide for the establishment of a *branch office* of the Beltrami County Welfare Department on the Red Lake *Indian* Reservation.

D-245 (66-3). OPERATION BOOTSTRAP. Nevada Dept. of Health, Welfare, and Rehabilitation, Old Highway Bldg., 201 South Fall St., Carson City, Nevada 89701; George E. Miller.

To employ specialists to develop *homemaker* and *community services* for OAA recipients.

D-246 (67-3). OPERATION BOOTSTRAP. Utah Dept. of Social Services, 231 East 4th St. South, Salt Lake City, UT 84111; V. E. Griffin.

To employ a project director and specialists in the State agency for programs of *community* planning, *mental retardation*, public *information*, *group* work, *recruiting*, and *volunteer* services.

D-247 (66-3).* OPERATION BOOTSTRAP. Delaware State Dept. of Public Welfare, P. O. Box 309, Wilmington, DE 19899; Ronald E. Miller.

To employ *program specialists* in the State agency to help improve the planning and implementation of statewide services and to give leadership and direction to additional services in county agencies.

D-249 (67-3). OPERATION BOOTSTRAP. California State Dept. of Social Welfare, 744 P St., Sacramento, CA, 95814; Paul Zimmer.
To employ a public welfare *housing specialist* and a *homemaker* specialist in the State agency to develop programs in their fields for low-income families and persons.

D-254 (66-3 mo.).* YOUTH OPPORTUNITY CAMPAIGN. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Fred Z. Hetzel.
To provide *summer employment* for approximately 600 *youth* between the ages of 16 and 21 who come from low-income families.

D-255 (66-3 mo.).* NEIGHBORHOOD DEVELOPMENT YOUTH PROGRAM. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; James G. Banks.
To provide *summer employment* for approximately 600 *youth* between the ages of 16 and 21 who come from low-income families.

D-257 (67-3). MUSKEGON COUNTY - NEIGHBORHOOD EMERGENCY WELFARE CENTER. Michigan State Dept. of Social Services, Lewis Cass Bldg., Walnut and Washtenaw Sts., Lansing, MI 48913; Paul V. Hendrikson.
To provide social services in *neighborhood centers* sponsored by the county's Community Action Against Poverty Program.

D-259 (66-1).* INFORMATION OFFICER. Arkansas Dept. of Public Welfare, P.O. Box 1437, Little Rock, AR 72203; Bob Lee Kemp.
To provide for the employment of a *public information* officer on the staff of the Arkansas State agency to make the public more aware of the various programs and activities of the welfare department.

D-260 (67-2).* USE OF DECLARATION IN DETERMINING ELIGIBILITY FOR PUBLIC ASSISTANCE. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Louis A. Leon.
To introduce the use of a *declaration form* to determine *eligibility* for public assistance.

D-261 (66-3). DEVELOPMENT OF ORGANIZED CASE SYSTEM FOR PUBLIC WELFARE. Minnesota Dept. of Public Welfare, Centennial Bldg., 658 Cedar St., St. Paul, MN 55101; Morris Hursh.
As part of a *national plan*, to develop an *organized case system* for public assistance as a basis for diagnosis, service planning, and implementation.

D-263 (67-3). NASSAU COUNTY - LEGAL SERVICES TO WELFARE CLIENTS. New York Dept. of Social Services, 112 State St., Albany, NY 12201; Bernard Summer.
To provide *legal services* to welfare recipients in Nassau County.

D-264 (66-2).* OPERATION BOOTSTRAP. Mississippi Dept. of Public Welfare, P. O. Box 4321, Fondren Station, Jackson, MS 39216; D. F. Lambert.
To establish a division of information to *disseminate information* about public assistance.

D-267 (67-3). ADMINISTRATION UPDATE. Maryland State Dept. of Social Services, 1315 St. Paul St., Baltimore, MD 21202; Raleigh C. Hobson.
To *update* administrative *methods* and *procedures* in 23 county offices in Maryland through a series of *comprehensive* field *reviews* and analyses of *each* local *agency's* administrative fiscal-management *functions*.

D-270 (66-1).* PROJECT MEDI-SEARCH. South Carolina State Dept. of Public Welfare, Columbia, SC 29202; Arthur B. Rivers.
To determine the most effective and feasible way to implement Title XIX, Public Law 89-97, by collecting, interpreting, and projecting financial data about the costs of medical care.

D-271 (66-1).* OPERATION BOOTSTRAP. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin, TX 78701; Herbert C. Wilson.
To provide for the employment of an Assistant Director of *Program* Administration to *strengthen* the administrative staff of the Office of the Commissioner in the Department of Public Welfare.

D-272 (67-3). RECRUITMENT AND ORIENTATION OF PROFESSIONAL STAFF IN PUBLIC WELFARE. Montana State Dept. of Public Welfare, P.O. Box 1723, Helena, MT 59601; E. J. Malensek.
To establish a *recruitment* and *training* program in the State agency to meet State and county needs for social workers.

D-274 (67-3). A PUBLIC WELFARE PLAN TO DEVELOP A PROGRAM IN COMMUNITY PLANNING. New Mexico Health and Social Services Dept., P.O. Box 2348, Sante Fe, NM 87501; Bruce Brady.
To provide community social workers responsible for stimulating interest in and developing community planning programs in a variety of New Mexico settings.

D-275 (68-2). SELF-DECLARATION PROJECT. State of Wisconsin Dept. of Health and Social Services, State Capitol Bldg., Madison, WI 53702; John F. Erickson.
To experiment with the use of a *declaration form* in the determination of initial and continuing *eligibility* for public assistance.

D-276 (67-1).* DEVELOPMENT OF AN ORGANIZED CASE SYSTEM FOR PUBLIC WELFARE. Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; Harold E. Miller.
As part of a *national plan*, to develop an *organized case system* for public assistance

as a basis for diagnosis, service planning, and implementation.

D-281 (67-1).* UTILIZATION AND QUALITY REVIEW BY A MEDICAL FOUNDATION - TITLE XIX. Florida State Dept. of Public Welfare, P. O. Box 2050, Jacksonville, FL 32203; C. Wright Hollingsworth.

To provide Florida with data relating to the utilization and quality of *physicians' services* rendered to adult recipients of money payments under Title XVI.

D-282 (67-3). WELFARE ADMINISTRATION SYSTEMS ANALYSIS. Vermont Dept. of Social Welfare, Montpelier, VT 05602; John J. Wackerman.

To examine and critically *evaluate administrative procedures*, recommend changes, and evaluate the results of such changes.

D-283 (67-3). SERVICES TO CLIENTS IN GROUPS. Virginia State Dept. of Welfare and Institutions, 429 South Belvidere St., Richmond, VA 23220; Betty Lewis.

To demonstrate the effect of the *group method* in providing services to public assistance clients.

D-284 (66-1).* BACK-TO-SCHOOL DRIVE. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Edward Aronov.

To provide part-time *employment* for *youth* between the ages of 16 and 21 who need work in order to stay in school.

D-285 (68-2). DEFINED SERVICES IN OAA IN SELECTED COUNTIES. Mississippi Dept. of Public Welfare, P. O. Box 4321, Fondren Station, Jackson, MS 39216; George N. Sadka.

To *extend social services* in OAA statewide by using *specialists* to serve seven selected counties.

D-286 (68-2). TELE-LECTURE AS A TEACHING MEDIA. Utah Dept. of Social Services, 231 East 4th St. South, Salt Lake City, UT 84111; Kathryn Desserich.

To experiment with the use of *tele-lecture* in *training* programs for public welfare workers.

D-287 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY AS CONSULTANTS. Wyoming Dept. of Public Welfare, State Office Bldg., Cheyenne, WY 82001; Rod Underwood.

To employ *faculty members* from graduate schools of social work and undergraduate social welfare sequences, to act as *consultants* to the Department during the summer of 1967.

D-288 (67-3 mo.).* TRAINING PROJECT INVOLVING GRADUATE AND UNDERGRADUATE FACULTY. Washington State Dept. of Public Assistance, P.O. Box 1162, Olympia, WA 98501; Conrad Graham.

To provide for the employment of *faculty members* from schools of social work to conduct summer *workshops* for summer welfare personnel, social service supervisors, State Office staff of Medical Care Division, and agency-trained supervisors.

D-289 (68-2). CLERICAL AIDES IN INITIAL DETERMINATION OF ELIGIBILITY. Virginia State Dept. of Welfare and Institutions, 429 South Belvidere St., Richmond, VA 23220; Mrs. Betty Lewis.

To determine whether *clerical aides* of substantially less education than caseworkers can adequately establish *initial eligibility* for public assistance.

D-290 (68-3). LEGAL SERVICES TO THE POOR. Arkansas Dept. of Public Welfare, State Capitol Mall, P.O. Box 1437, Little Rock, AR 72203; Len Blaylock.

To test ways of best providing *legal services* to public welfare recipients.

D-292 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY AS CONSULTANTS. Missouri Division of Welfare, Dept. of Public Health and Welfare, State Office Bldg., Jefferson City, MO 65101; Clarence Keathley.

To provide for the employment of *faculty members* during the summer months to conduct special staff *training* projects.

D-293 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY AS CONSULTANTS. Montana State Dept. of Public Welfare, P.O. Box 1723, Helena, MT 59601; John Coey, Jr.

To provide for the employment of a *faculty member* from a school of social work to give leadership and assistance in the preparation of *guidelines* to aid staff in the *implementation* of social services.

D-294 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY AS CONSULTANTS. Utah State Dept of Public Welfare, 419 State Capitol, Salt Lake City, UT 84111; Kathryn Desserich.

To provide for the employment of two *faculty members* as *consultants* to graduate students who in turn will *supervise* undergraduate students employed for the summer.

D-295 (67-1).* EMPLOYMENT INCENTIVE. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Mitchell I. Ginsberg.

To encourage *young* and *adult* public assistance recipients to seek *employment* by *waiving* Sections 402(a)(1) and (7) of the Social Security Act.

D-296 (67-1).* SUMMER WELFARE AND TRAINING FACULTY. Michigan State Dept. of Social Services, Lewis Cass Bldg., Walnut and Washtenaw Sts., Lansing, MI 48913; Anthony Landolfi.

To employ *faculty members* from schools of social work to *supplement* agency leadership in the community organization area and to *develop* training materials and provide *leadership* for inservice training workshops in the protective service area.

D-297 (67-1).* EMPLOYMENT OF FACULTY FROM GRADUATE SCHOOLS OF SOCIAL WORK FOR SUMMER EMPLOYMENT. Iowa Dept. of Social Services, State Office Bldg., Des Moines, IA 50319; Arthur Downing.

To employ *faculty members* from schools of social work to prepare staff development *training* material for Title XIX and to provide training in group work methods for county supervisory staff.

D-299 (67-3 mo.).* SOCIAL CASEWORK AND SUPERVISION. Tennessee State Dept. of Public Welfare, Nashville, TN 37217; Willie V. Bratton.

To employ *faculty members* from schools of social work to conduct a series of short inservice training workshops for staff charged with direct supervision of casework staff.

D-300 (67-3 mo.).* NEW JERSEY SUMMER WELFARE EXPERIENCE AND TRAINING. New Jersey Division of Public Welfare, 129 East Hanover St., Trenton, NJ 08625; Eleanor H. Bishop.

To employ *social work faculty* members to assist casework supervisors in achieving greater understanding of *medical problems* and to encourage awareness of community resources.

D-302 (67-3 mo.).* SPECIALIZED TRAINING IN CASEWORK FOR SELECTED PUBLIC ASSISTANCE WORKERS. Florida Dept. of Public Welfare, P.O. Box 2050, Jacksonville, FL 32203; Mrs. Lamar S. Roberts.

To utilize *social work faculty* members to provide special casework *training* for a *selected group* of workers, especially those involved with AFDC caseloads.

D-304 (67-3 mo.).* SOCIAL GROUP WORK APPROACH WITH SPECIAL GROUPS. New York Dept. of Social Welfare, 112 State St., Albany, NY 12201; Dr. Rose C. Thomas.

To employ *social work faculty* members to conduct *institutes* on the social *group work method* for supervisory staff.

D-305 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY. Guam Dept. of Public Health and Welfare, Government of Guam, P.O. Box 2816, Agana, Guam 96910; Robert E. Leon Guerrero.

To employ a *faculty member* from a school of social work to *train* the staff in casework procedures.

D-306 (67-1).* SUMMER EMPLOYMENT OF SCHOOLS OF SOCIAL WORK FACULTY. Massachusetts Dept. of Public Welfare, 600 Washington St., Boston, MA 02111; Mary A. Darragh.

To employ *faculty members* from schools of social work to expand the agency's inservice *training* program to reach staff not covered in the agency's own teaching program, and to instruct them in the use of the *group* process and improved *community* relationships and *case* services.

D-307 (67-1).* CONTRACT WITH LOUISIANA STATE UNIVERSITY FOR PART-TIME CONSULTATION. Louisiana State Dept. of Public Welfare, P.O. Box 44065, Baton Rouge, LA 70804; Mrs. Edith G. Ross.

To employ a part-time *consultant* to help *integrate group* services into the basic service program of the agency.

D-308 (67-3 mo.).* A STUDY OF THE SOCIAL SERVICES IN PUBLIC ASSISTANCE DIRECTED TOWARD DEFINITION OF THE ELEMENTS OF TRAINING REQUIRED FOR PERSONNEL, ETC. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; Marie Ganister.

To employ *social work faculty* to *analyze social services* and determine specific elements of knowledge, skill, and attitudes to be developed through inservice personnel *training*.

D-310 (67-1).* REDETERMINING OAA ELIGIBILITY BY DECLARATION. Louisiana Dept. of Public Welfare, P.O. Box 44065, Baton Rouge, LA 70804; Lester J. Lee.

To determine the effectiveness of a recipient *declaration form* which would eliminate the need for routine field investigation at each redetermination of *eligibility*.

D-311 (67-3 mo.).* THE DEEPENING OF ESSENTIALS OF CASEWORK. Georgia Dept. of Family and Children Services, State Office Bldg., Atlanta, Georgia 30334; Gerald S. Blackwell.

To employ a *social work faculty* member to conduct *workshops* for experienced caseworkers without formal graduate education and little formal group learning experiences in casework method.

D-313 (67-3 mo.).* SELECTED ASPECTS OF CASEWORK FOR DEFINED SERVICES WORKERS. Tennessee Dept. of Public Welfare, 410 State Office Bldg., Nashville, TN 37219; Mrs. Roberta Hampton.

To employ *social work faculty* members to conduct a series of short inservice *training institutes* for service practitioners so that quality of services will be improved.

D-314 (67-3 mo.).* USE OF GROUP METHODS IN PUBLIC WELFARE. Tennessee Dept. of Public Welfare, 410 State Office Bldg., Nashville, TN 37219; Georgiana McLarnan.

To employ *faculty members* from schools of social work to conduct a series of inservice *training* workshops in the use of group methods.

D-315 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY. Rhode Island Dept. of Social Welfare, One Washington Ave., Providence, RI 02905; Leonard Bloksberg.

To employ a *faculty member* of a school of social work to perform exploratory *research* on characteristics of workers as associated with differential effectiveness.

D-316 (67-3 mo.).* THE IMPLICATIONS OF PROFESSIONAL EDUCATION AND OTHER CONTINGENCIES OF PUBLIC ASSISTANCE CAREERS. Rhode Island Dept. of Social Welfare, One Washington Ave., Providence, RI 02905; Stephen J. Miller.

To use a *faculty member* of a school of social work to study public welfare as a setting for professional social work *careers*.

D-317 (67-3 mo.).* STUDY OF WORKER SUPERVISOR PREFERENCES AS A MEANS OF DIFFERENTIATING CASE ASSIGNMENTS. Rhode Island Dept. of Social Welfare, One Washington Ave., Providence, RI 02905; John Tretton.

To employ a *social work faculty* member to develop a set of *case vignettes* and to test caseworkers' response in an effort to devise an instrument to aid in case assignment and to evaluate the connection between *psychological factors* and worker *effectiveness*.

D-318 (67-3 mo.).* EXPERIMENT IN COOPERATIVE UNDERGRADUATE CLASSES AMONG FOUR SAN ANTONIO COLLEGES. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin, TX 78701; Margaret Gregg.

To employ *faculty members* from schools of social work to facilitate and *enhance* advanced *educational opportunities* of public welfare employees.

D-319 (67-3 mo.).* EXPERIMENT IN SUMMER EMPLOYMENT OF FACULTY OF UNIVERSITY OF TEXAS SCHOOL OF SOCIAL WORK BY TEXAS DPW WITH INVOLVEMENT OF FACULTY BY UNDERGRADUATE SCHOOLS. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin, TX 78701; Margaret Gregg.

To employ *faculty members* from schools of social work to *strengthen* agency relations with educational institutions regarding *recruitment* staff *training* and increased understanding of public welfare program.

D-322 (67-3 mo.).* SECOND SUMMER TRAINEE DEMONSTRATION PROJECT. Alaska Dept. of Health and Welfare, Pouch H, Juneau, AK 99801; George P. Spartz.

To provide a *summer trainee program* for a group of *college* undergraduates who will be involved in limited casework in district offices and will learn to develop community resources for their clients.

D-323 (67-1).* EMPLOYMENT OF FACULTY FROM SCHOOLS OF SOCIAL WORK AND UNDERGRADUATE SOCIAL WELFARE SEQUENCES. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Winifred G. Thompson.

To employ *social work faculty* members for a *cooperative* venture between the Department of Public Welfare and the universities towards mutual stimulation and enrichment of their respective missions.

D-324 (67-3 mo.).* MULTI-SERVICE WELFARE CENTER. New York State Dept. of Social Welfare, 112 State St., Albany, NY 12201; Bernard M. Shiffman.

To employ *faculty members* from schools of social work to participate in *development* of multiservice welfare centers.

D-325 (67-3 mo.).* EMPLOYMENT OF SOCIAL WORK FACULTY DURING SUMMER 1967. Kentucky Dept. of Economic Security, Capitol Annex Bldg., Frankfort, KY 40601; C. Leslie Dawson.

To employ *faculty members* from schools of social work to serve as *consultants* to graduate students, *supervise* undergraduates, and advise on better methods and casework efforts.

D-326 (67-3 mo.).* THE PROCESS OF SUPERVISION. New Mexico Dept. of Public Welfare, P.O. Box 2348, Sante Fe, NM 87501; Pauline L. Bushey.

To employ a *faculty member* from a school of social work to conduct a 4-day *workshop* to improve the skills of case *supervisors* in the day-to-day job of supervising caseworkers.

D-328 (68-2). HOMEMAKER SERVICES IN SEVEN COUNTIES IN DISTRICT #3. Florida State Dept. of Public Welfare, P.O. Box 2050, Jacksonville, FL 32203; Harry J. Pullen.

To provide *homemaker* services to selected recipients of OAA, APTD, and AFDC who are convalescing, chronically ill, or in need of better homemaking standards and skills.

D-329 (67-3 mo.).* YOUTH OPPORTUNITY CAMPAIGN 1967. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Fred Z. Hetzel.

To provide *work* and *training* opportunities to AFDC and WTOC *youth* during the summer.

D-331 (67-3 mo.).* TRAINING IN COMMUNITY ORGANIZATION FOR SELECTED PUBLIC WELFARE DIRECTORS. Louisiana Dept. of Public Welfare, P.O. Box 44065, Baton Rouge, LA 70804; Dr. Fred A. Morrow.

To employ a *faculty member* from a school of social work to provide *training* in *community organization* for selected public welfare directors.

D-332 (67-1).* NURSING HOME RECIPIENT SCREENING EVALUATION PROJECT. Arkansas Dept. of Public Welfare, P.O. Box 1437, Little Rock, AR 72203; Mrs. Margaret Deal.

To screen *nursing home patients* for whom the agency is making vendor payments to determine their current *needs* in order to decide whether other *living arrangements* are indicated.

D-335 (67-1).* PERIODIC EMPLOYMENT OF FACULTY OF SCHOOL OF SOCIAL WORK AND UNDERGRADUATE SEQUENCES. Oregon State Public Welfare Commission, 400 Public Service Bldg., Salem, OR 97310; Elizabeth Goddard.

To employ *faculty members* from graduate schools of social work to prepare staff *training* materials and identify group welfare experiences to first year workers.

D-336 (67-3). STATE PUBLIC WELFARE CONSULTANT ON SOCIAL GROUP WORK. Oklahoma Dept of Institutions, Social and Rehabilitation Services, Sequoyah Memorial Office Bldg., Oklahoma City, OK 73125; Pauline E. Mayer.

To employ a *consultant* on social group work services to stimulate recognition of the values of the *group work approach* and to *train* agency staff in the use of the group work method.

D-337 (67-3). DEVELOPMENT OF SOCIAL SERVICES IN RURAL ALASKA. Alaska Dept of Health and Welfare, Pouch H, Juneau, AK 99801; Stanley P. Harris.

To recruit native *high school students* to serve as *subprofessionals* and *assistants* to the State welfare Bethel office and to provide social services to outlying rural areas.

D-338 (67-1).* UPGRADING ADMINISTRATION THROUGH SELECTED TRAINING ACTIVITIES. Maryland State Dept. of Public Welfare, 1315 St. Paul St., Baltimore, MD 21202; Elizabeth Schaub.

To employ *faculty members* from schools of social work to plan, organize, and test an orientation program for *clerical* and *technical employees* and conduct a *workshop* for administrative staff members in the use of specialists.

D-345 (67-3 mos.).* EMPLOYING SOCIAL WORK FACULTY. Colorado State Dept. of Public Welfare, 1600 Sherman, Denver, CO 80203; Charline Birkins.

To employ *social work faculty* members to *train adult* services casework *staff* and conduct a workshop on the group process.

D-346 (67-3 mo.).* PERIODIC EMPLOYMENT OF FACULTY FROM SCHOOLS OF SOCIAL WORK AND UNDERGRADUATE SOCIAL WELFARE SEQUENCES IN SPECIAL PUBLIC WELFARE ASSIGNMENTS. North Carolina State Dept. of Public Welfare, Raleigh, NC 27602; A. William Safriet.

To employ *faculty members* from schools of social work to conduct intensive inservice *workshops* for county supervisors and local directors.

D-347 (67-3 mo.).* SUMMER EMPLOYMENT OF SOCIAL WORK FACULTY. California State Dept. of Social Welfare, 2415 First Ave., Sacramento, CA 95814; M. L. Schuster.

To employ *faculty members* from schools of social work to develop staff and inservice *training, and to analyze, coordinate*, and *direct* certain public social services.

D-350 (67-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING. Mississippi Dept. of Public Welfare, P.O. Box 4321, Fondren Station, Jackson, MS 39216; Earl R. Thomas.

To employ *faculty members* from schools of social work to help improve *administrative practices* and *supervisory* methods and techniques to enable workers to perform more adequately.

D-351 (67-3 mo.).* SUMMER EMPLOYMENT OF FACULTY FROM A SCHOOL OF SOCIAL WORK IN SPECIAL PUBLIC WELFARE ASSIGNMENT. Ohio Dept. of Public Welfare, 408 East Town St., Columbus, OH 43215; Marjorie Hall.

To employ a *faculty member* from a school of social work to supervise a unit of *community organization* workers concentrating on two areas of family life: health of children and housing.

D-352 (67-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING #2 GROUP SERVICES. New Jersey Division of Public Welfare, 129 East Hanover St., Trenton, NJ 08625; Eleanor H. Bishop.

To employ a *faculty member* from a school of social work to discuss *group methods* for serving clients with county welfare directors.

D-353 (67-3 mo.).* SUMMER WELFARE EXPERIENCE AND TRAINING #3 CHILD HEALTH. New Jersey Division of Public Welfare, 129 East Hanover St., Trenton, NJ 08625; Eleanor H. Bishop.

To employ a *graduate school faculty* member to conduct a *course* in *maternal* and *child* health for public welfare caseworkers.

D-355 (67-3 mo.).* SERVICES RELATED TO INCARCERATION. Wisconsin State Dept. of Public Welfare, One West Wilson St., Madison, WI 53702; Kenneth E. Kringle.

To employ a *faculty member* to study ways to *improve services* to past, present, and potential public assistance applicants or recipients who have committed *criminal* offenses.

D-356 (67-3 mos.).* SUMMER EMPLOYMENT OF CASE AIDES. Nevada Welfare Division, 201 South Fall St., Carson City, NV 89701; Quentin Emery.

To use a *faculty member* from a school of social work to be the direct supervisor of *case aides* employed by the State agency during the summer.

D-357 (67-3 mo.).* PLANNING THE PUBLIC WELFARE COMPONENT OF MODEL NEIGHBORHOODS PROJECTS. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; Robert K. Leighty.

To employ *faculty members* from schools of social work to *develop proposals* for the public social services components for local *model neighborhood* programs.

D-359 (67-3 mo.).* THE ROLE OF INTERORGANIZATIONAL EXCHANGE IN ACHIEVING COMPREHENSIVE PUBLIC WELFARE, MEDICAL, AND HEALTH CARE. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; Robert K. Leighty.

To employ a *faculty member* from a school of social work to study some of the *functional problems* of *interorganizational* exchange which affect the organizational goal of comprehensive health care.

D-360 (67-3 mo.).* UTILIZATION AND EVALUATION OF GROUP SERVICES IN PUBLIC WELFARE. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; Robert K. Leighty.

To employ a *faculty member* from a school of social work to develop a *research design* and controlled experiment in *group* services in a public welfare setting.

D-365 (67-3 mo.).* SHAWNEE COUNTY HOMEMAKER PROJECT. Kansas State Dept. of Social Welfare, State Office Bldg., Topeka, KS 66612; Glenn C. James.

To employ a *faculty member* from a school of social work to help develop an *experimental homemaker* project to be adopted, if successful, as a full-time departmental function.

D-366 (67-3). PROGRAM TO EXPAND THE FIELD OF RECRUITMENT FOR SOCIAL WELFARE AND DEVELOPMENT IN FIFTEEN SOUTHERN STATES. Georgia State Dept. of Family and Children Services, Atlanta, GA 30334; Phil Cawthon.

To speed the *recruitment* of baccalaureate graduates into the social welfare programs of fifteen southern States by developing new methods and strengthening existing programs.

D-370 (67-3 mo.).* DEMONSTRATION AS A MEANS OF TRAINING ADMINISTRATORS IN COMMUNITY ORGANIZATION. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Fred E. Wight.

To employ a *faculty member* from a school of social work to demonstrate the use of the *community organization process* to principal State agency administrators.

D-371 (67-2).* AN APPROACH TO MANPOWER UTILIZATION BY MEANS OF FUNCTIONAL SPECIALIZATION OF PUBLIC WELFARE STAFF. California State Dept. of Social Welfare, 2415 First Ave., Sacramento, CA 95814; Betty L. Pressley.

To test the extension of *simplification* of *eligibility determination* in Marin and Santa Clara counties.

D-373 (67-4). DEVELOPMENT OF ORGANIZED CASE SYSTEM FOR PUBLIC WELFARE. Maine Dept. of Health and Welfare, State House, Augusta, ME 04330; Clyde B. Nickerson.

To develop and test a more realistic and *systematic approach* to determining and meeting the needs of people through case analysis.

D-377 (68-3). SOCIAL SERVICES MOBILE OFFICE UNIT. Virginia Dept. of Welfare and Institutions, 429 South Belvidere St., Richmond, VA 23220; W. D. Clark.

To make the services of the local welfare department more *accessible* to welfare recipients and potential welfare recipients through a *mobile office* operating in the city of Chesapeake in *areas* comparatively *isolated* by location or social problems from the main Welfare office.

D-378 (67-3). PROTECTIVE SERVICES FOR ADULTS. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; George W. Roby.

To provide *protective services* for *older adults* who are currently, were, or may potentially be, recipients of public assistance.

D-379 (67-3). RURAL COLORADO PROTECTIVE SERVICES. Colorado Dept. of Social Services, Capitol Life Center, 1600 Sherman St., Denver, CO 80203; James H. Douglass.

To provide *protective services* for *older adults* who are recipients of public assistance.

D-381 (67-2).* MISSISSIPPI PROJECT. Mississippi Dept. of Public Welfare, P.O. Box 4321, Fondren Station, Jackson, MS 39216; O. E. Catledge, Jr.

To deal with *aid* to ADC cases within the counties of Attala and Madison to try to *develop* and *improve methods* and techniques of administering assistance and related services.

D-382 (68-3). BACCALAUREATE MANPOWER DEVELOPMENT PROGRAM. Virginia Dept. of Welfare and Institutions, 429 South Belvidere St., Richmond, VA 23220; Mrs. Mary Alice Roberts.

To increase substantially the *quantity* and *quality* of social work *manpower* available to meet the expanding demands for personnel in social welfare programs through the extension and strengthening of *undergraduate* social welfare *education*.

D-383 (68-3). FOSTER FAMILY HOMES FOR ADULTS. Washington Dept. of Public Assistance, P. O. Box 1162, Olympia, WA 98501; Maxeen Roecker.

To demonstrate the use of *foster family homes* and *medical services* for *adults* needing a place to live and receive care away from their own home.

D-384 (68-1).* SEPARATION OF SOCIAL SERVICES FROM DETERMINING ELIGIBILITY. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; Mary Carson Kuschke.

To demonstrate the feasibility of using a declaration to determine *initial eligibility* for financial assistance.

D-388 (67-3 mo.).* CITY OF SACRAMENTO, CALIFORNIA SUMMER EMPLOYMENT OF YOUTH FROM DISADVANTAGED AREAS. California State Dept. of Social Welfare, 2415 First Ave., Sacramento, CA 95814; J. Carl Jennings.

To provide *work* and additional income for approximately 200 disadvantaged *youths* during the summer, waiving Sections 402(a)(1) and (7) of the Social Security Act.

D-389 (68-3). BERNALILLO COUNTY EXTENDED SERVICES PROJECT. New Mexico Health and Services Dept., P.O. Box 2348; Sante Fe, NM 87501; Monte May Riley.

To provide for the *assignment* of a *caseworker* to each of *five OEO neighborhood centers* to act as an *information* and referral *service* for persons possibly eligible for financial assistance.

D-391 (68-2). COMMUNITY RELATIONS. Oregon State Public Welfare Commission, 400 Public Service Bldg., Salem, OR 97310; Mrs. Barbara Seymour.

A *laboratory* experience to develop a *community relations* program to demonstrate that public acceptance of the welfare department is heightened through *increased* agency *involvement* in community activities.

D-392 (67-3 mo.).* COMMUNITY SUMMER WORK TRAINING PROJECT FOR YOUTH. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; George C. Sipprell.

To alleviate the disturbed condition of a *Negro* community by providing *jobs* and *recreational* facilities for Negro *youths* in public assistance families.

D-394 (68-1).* SOCIAL WORK STAFF DEVELOPMENT SEMINAR. California Dept. of Social Welfare, 744 P St., Sacramento, CA 95814; Morton Gordon.

To establish a *staff development seminar* to meet the *educational* needs of the local public welfare staff development personnel.

D-396 (67-2).* PRIDE, INC. District of Columbia Dept. of Public Welfare, 112 C St. N.W., Washington, DC 20001; Carrol Harvey.

To provide *summer employment* for deprived *youth* between 14 and 25, with a waiver of income for children from AFDC families.

D-400/401 (68-3). PROMOTION AND DEVELOPMENT OF EDUCATION FOR SOCIAL WELFARE PERSONNEL AND RECRUITMENT OF SOCIAL WELFARE PERSONNEL IN WEST VIRGINIA. West Virginia Dept. of Welfare, 1800 Washington St. East, Charleston, WV 25305; Gene G. Richardson.

To substantially increase the quantity and quality of social workers through the extension of *undergraduate* social welfare *education* and a broad *recruitment* program.

D-405 (68-3). LINKING, INTEGRATING AND STRENGTHENING PUBLIC WELFARE SERVICES IN A NEIGHBORHOOD SERVICE CENTER PROGRAM. Massachusetts Dept. of Public Welfare, 600 Washington St., Boston, MA 02111; Daniel Cronin.

To make public assistance services in a *low-income* pilot city area more responsive to community needs; to develop and test ways of working among the local community agencies; to link public welfare services into a *unified neighborhood service system.*

D-406 (68-3). DEVELOPING UNDERGRADUATE EDUCATION PROGRAMS AND RECRUITMENT PROGRAMS FOR COLLEGE-LEVEL PERSONNEL IN SOCIAL WELFARE IN MARYLAND. Maryland State Dept. of Social Services, 1315 St. Paul St., Baltimore, MD 21202; Mrs. Mamie B. Todd.

To increase the number and quality of social workers by developing *undergraduate* social welfare *education* programs, *career* lines, and *recruitment* programs.

D-407 (67-1).* COORDINATION OF EMERGENCY SERVICES AND RESOURCES RELATED TO HOUSING FOR LOW INCOME FAMILIES IN BALTIMORE CITY. Maryland State Dept. of Social Services, 1315 St. Paul St., Baltimore, MD 21202; James A. Vidmar.

To demonstrate the role of the public welfare agency in the *prevention* of family breakdown through the provision of *emergency services* 24 hours a day.

D-408 (68-2).* SOCIAL SERVICES TO FORMER AND POTENTIAL RECIPIENTS. Illinois Dept. of Public Aid, 400 South Spring St., Springfield, IL 62706; Robert G. Wessel.

To demonstrate the value of social services to *former* and *potential* applicants and recipients as a basis for planning for such services state-wide.

D-410 (68-2) NEEDS OF OLDER CHILDREN LIVING AWAY FROM HOME. California State Dept. of Social Welfare, P. O. Box 8074, Sacramento, CA 95818; H. E. Dietrich.

To demonstrate a way of providing *foster care* for AFDC children, age 16-20, who cannot live with their families.

D-411 (68-1).* LARADON HALL MENTAL RETARDATION TRAINING PROJECTS. Colorado State Dept. of Social Services, 1600 Sherman St., Denver, CO 80203; Royal Edgington.

To train *mentally retarded* young adults to become *employable* and live *independently.*

D-413 (68-2). SEATTLE MODEL NEIGHBORHOODS PLANNING PROJECT - PHASE I. Washington State Dept. of Public Assistance, P. O. Box 1162, Olympia, WA 98501; Robert Doble.

To employ *specialists* in the State agency to help form the welfare component of the Seattle *model city* neighborhood program, recommend welfare program improvements, and implement the welfare component.

D-416 (68-1).* AN EXPERIMENT TO DETERMINE WHETHER PROVISION OF COMPLETE MEDICAL CARE SERVICES IMPROVES SOCIAL FUNCTIONING IN SCHOOL AGE CHILDREN AND IN ADULTS OVER 65 YEARS OF AGE. Illinois Dept. of Public Aid, 400 South Spring St., Springfield, IL 62706; Robert G. Wessel.

To *determine* the extent of increased social functioning as a result of the provision of *medical care* services covered in the State plan and any additional services not now covered in the Title XIX plan; what barriers have prevented clients from availing themselves of medical care; what medical care services not now provided in the Plan appear most significant; and the cost of the additional services.

D-417 (68-3). THE PROMOTION AND DEVELOPMENT OF EDUCATION FOR SOCIAL WORK PERSONNEL IN KENTUCKY. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; Peggy Hadden.

To substantially increase the number of qualified social workers with baccalaureate degrees through programs to stimulate *recruitment, training,* and *use* of workers.

D-418 (68-3). CROSSROADS COMMUNITY CENTER - COMMUNITY SOCIAL SERVICES PLANNER. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin, TX 78701; Rosalind Giles.

To employ a *community social service planner* in the *Dallas Community Center* to set up and maintain effective *communication* between the public welfare agency and the Center.

D-419 (68-3). THE DEVELOPMENT OF MANPOWER RESOURCES FOR PUBLIC WELFARE THROUGH RECRUITMENT ACTIVITIES AND DEVELOPMENT OF UNDERGRADUATE SOCIAL WORK EDUCATION PROGRAMS. Texas State Dept. of Public Welfare, John H. Reagan Bldg., Austin, TX 78701; Marshall A. Mason, Jr.

To increase the number of qualified social workers through broad *recruitment* and *education programs.*

D-420 (68-2). SUMMER YOUTH OPPORTUNITY PROGRAM. Iowa Dept. of Social Services, State Office Bldg., Des Moines, IA 50319; Russell Saunders.

To provide AFDC *young people,* age 14-21, with *work* experience through which they can acquire good work habits and sound attitudes toward independence; to encourage them to *complete* high school or vocational training; to provide them with opportunity to earn and save *income* for higher education.

D-422 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Nevada Dept. of Health, Welfare, and Rehabilitation, Old Highway Bldg., 201 South Fall St., Carson City, NV 89701; Phillip Hannifin.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-423 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Colorado State Dept. of Social Services, 1600 Sherman St., Denver, CO 80203; Richard Adams.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-424 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Pennsylvania Dept. of Public Welfare, Health and Welfare Bldg., Harrisburg, PA 17120; Elias S. Cohen.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-425 (68-1).* SUMMER YOUTH OPPORTUNITY PROJECT. Arkansas Dept. of Public Welfare, State Capitol Mall, P. O. Box 1437, Little Rock, AR 72203; Len Blaylock.

To provide AFDC *young people* with constructive *work experience* during the summer; to show them the need for developing good work habits and responsibility toward employment.

D-426 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROJECT. Connecticut State Welfare Dept., 1000 Asylum Ave., Hartford, CT 06115; Lawrence A. Marostica.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-427 (68-2). SOCIAL WELFARE RECRUITMENT SPECIALIST. Vermont Dept. of Social Welfare. State House, Montpelier, VT 05602; John J. Wackerman.

To employ a *recruitment* specialist to improve the *quality* and *increase* the number of social workers in the State.

D-428 (68-1). ALTERNATE CARE ARRANGEMENTS. Vermont Dept. of Social Welfare, State House, Montpelier, VT 05602; Elmo Sassorossi.

To conduct an experiment based on the hypothesis that a sizable number of persons placed in licensed *nursing homes* can receive *better* care in *other settings* if the patient, his family, and his physician understand that this is true.

D-429 (67-1).* INCREASING AFDC CASELOAD STANDARDS BY SEPARATING RECONSIDERATION ELIGIBILITY FROM SERVICE IN BALTIMORE CITY. Maryland State Dept. of Social Services, 1315 St. Paul St., Baltimore, MD 21202; Raleigh C. Hobson.

A *waiver* of the AFDC caseload standard of 60 has been granted to enable the State agency to undertake a *study* of the capability of AFDC workers to fulfill the expected standards relating to *frequency* of purposeful contacts and full scope of *services* for all cases in need of them.

D-431 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROJECT. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Fred Z. Hetzel.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-432 (68-1).* SUMMER YOUTH OPPORTUNITY PROJECT. Delaware State Dept. of Public Welfare, P. O. Box 309, Wilmington, DE 19899; Ronald E. Miller.

To employ a coordinator of *employment* and *training* in the State agency to work with prospective employers to stimulate interest in giving *summer jobs* to AFDC *young people* and to develop year-round activities concerning the employment of AFDC young people.

D-433 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Oklahoma Dept. of Public Welfare, P. O. Box 25352, State Capitol Station, Oklahoma City, OK 73125; Pauline Mayer.

To employ a *coordinator* in the State agency to develop *employment opportunities* for AFDC *children*, age 16-22, identify potential high school dropouts in the AFDC caseload capable of completing high school, and develop opportunities for summer employment.

D-434 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Marion Farren.

To employ a *coordinator* in the State agency to give AFDC *young people* opportunities for *summer employment* offering work experience demonstrating the value of good work habits and attitudes.

D-435 (68-1).* ADULT FAMILY FOSTER CARE. Colorado State Dept. of Social Services, 1600 Sherman St., Denver, CO 80203; Ruth S. Pierce.

To initiate *adult* family *foster care* in three counties.

D-436 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Massachusetts Dept. of Public Welfare, 600 Washington St., Boston, MA 02111; Robert F. Ott.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-437 (68-3). PART I, PUBLIC ASSISTANCE INTAKE AT NEIGHBORHOOD CENTER; PART II, SOCIAL SERVICES DIVISION JUVENILE DETENTION UNIT; PART III, NEIGHBORHOOD CENTER HOMEMAKER UNIT; PART IV, PROTECTIVE SERVICES PROJECT. Tennessee State Dept. of Public Welfare, Nashville, TN 37219; John R. Barnett.

To enable the welfare unit of the *Chattanooga Neighborhood Service Program* to provide (1) an *intake unit* at a neighborhood center; (2) casework services in a *detention unit;* (3) *homemaker* services to OAA, AB and APTD recipients; and (4) *concentrated* services to families and children in a specific area.

D-438 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; Mrs. Bertha Roth.

To employ a *coordinator* to assist the Multnomah County Public Welfare staff in selecting, interviewing, and evaluating AFDC *young people*, age 16-22, for the Portland *JOBS* program and to coordinate the referral system between the State's employment and welfare departments.

D-440 (68-3). HOUSING IMPROVEMENT PROGRAM OF HARTFORD. Connecticut State Welfare Dept., 1000 Asylum Ave., Hartford, CT 06115; Lewis Wallace.

To offer a variety of special services to improve the *housing conditions* of AFDC and OAA recipients.

D-441 (68-2). FAMILY AIDE DEMONSTRATION PROJECT. Florida State Dept. of Public Welfare, P. O. Box 2050, Jacksonville, FL 32203; William F. Behm.

To employ *family aides* to provide services to AFDC families as a *complement* to those

offered by the Jacksonville Parent-Child Center Program.

D-443 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. California State Dept. of Social Welfare, P. O. Box 8074, Sacramento, CA 95818; Mary Lee Schuster.

A *waiver* of Sections 402(a) (1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-446 (68-3). PART I, SOCIAL SERVICES TO THE ELDERELY IN THE PILOT CITY AREA OF MINNEAPOLIS, MINNESOTA; PART II, EMERGENCY SOCIAL SERVICES FOR RESIDENTS IN THE PILOT CITY AREA OF MINNEAPOLIS, MINNESOTA. Minnesota Dept. of Public Welfare, Centennial Bldg., 658 Cedar St., St. Paul, MN 55101; Arnold Gruber.

(1) To enable the Hennepin County Welfare Department to examine what social services can mean to the *elderly* and to the *community;* (2) to establish *emergency* social services in a pilot area of the city to measure the need for such services and to examine the relation between emergency health services provided by the Minneapolis Department of Health and the Hennepin County Welfare Department.

D-447 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Washington State Dept. of Public Assistance, P. O. Box 1162, Olympia, WA 98501; Robert Doble.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-448 (68-2). CONCENTRATED COMMUNITY DAY CARE PLANNING IN ALABAMA. Alabama State Dept. of Pensions and Security, 64 North Union St., Montgomery, AL 36104; Louise Pittman.

To demonstrate how complete *community resources* can be developed, coordinated, and used to make *day care* available to all children who need it, particularly AFDC children.

D-449 (69-3). USE OF FAMILY SERVICES CASEWORK STAFF LIVING IN THE INDIGENOUS COMMUNITY SERVED. Colorado Dept. of Social Services, Capitol Life Center, 1600 Sherman St., Denver, CO 80203; Orlando Romero.

To demonstrate the value of casework *staff* having their *residence* in the geographic area where they carry their *caseload.*

D-452 (68-1).* DIFFERENTIAL USE OF STAFF Oregon State Public Welfare Commission, 422 Public Service Bldg., Salem, OR 97310; Bertha Roth.

To conduct a four-county demonstration in the *separation* of *eligibility* and *services* and in the provision of *emergency* services by the use of different levels of staff.

D-453 (68-2). VOCATIONAL OPPORTUNITIES FOR PUBLIC ASSISTANCE RECIPIENTS. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; Ann Hall Taylor.

To help AFDC *young people,* particularly *dropouts,* enroll in *vocational schools* and find *employment* after training through the State employment agency.

D-455 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Mississippi Dept. of Public Welfare, P. O. Box 4321 Fondren Station, Jackson, MS 39216; O. E. Catledge, Jr.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-456 (68-1).* SUMMER YOUTH OPPORTUNITY PROGRAM. New Jersey Dept. of Institutions and Agencies, P. O. Box 1237, Trenton, NJ 08625; Irving Engelman.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-457 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Wyoming Dept. of Public Welfare, New State Office Bldg., Cheyenne, WY 82001; Harvey Peterson.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-458 (68-1). IMPROVEMENTS TO HOMES OWNED BY AABD RECIPIENTS. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; C. Leslie Dawson.

To conduct a pilot project in four counties under which *materials* costing up to $500 may be purchased to *repair owner-occupied homes* of 900 AABD recipients. (A joint project with the Department of Labor, Office of Economic Opportunity, and Farm Home Administration, Department of Agriculture.)

D-459 (68-3). TRAINING OF THE UNSKILLED AND SOCIALLY DEPRIVED IN COOPERATION WITH THE ARKANSAS REHABILITATION CENTER. Arkansas Dept. of Public Welfare, State Capitol Mall, P. O. Box 1437, Little Rock, AR 72203; Jack Hill.

To provide opportunities for *training* to the heads of 50 *AFDC* families in 14 counties (or to young people in those families) who were not accepted in other training programs.

D-460 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Georgia State Dept. of Family and Children Services, State Office Bldg., Atlanta, GA 30334; Phil Cawthon.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-462 (68-3). SERVICES IN THE NEIGHBORHOOD - PUBLIC ASSISTANCE INVOLVEMENT: PART I, COMPREHENSIVE EVALUATION AND TRAINING UNIT; PART II, PARK-DUVALLE NEIGHBORHOOD SERVICE CENTER. Kentucky Dept. of Economic Security, New Capitol Annex Bldg., Frankfort, KY 40601; Merritt S. Deitz, Jr.

To enable the welfare components of the Louisville *Neighborhood Service Program* to use *new* service delivery methods; to develop an *interagency-intercenter method* of solving social problems; to improve public opinion of service agencies; and to determine the quality and quantity of services.

D-463 (68-2). FAMILY LIFE EDUCATION FOR YEATMAN NEIGHBORHOOD SERVICE CENTER PROGRAM. Missouri Dept. of Public Health and Welfare, State Office Bldg., Jefferson City, MO 65101; J. P. Lynes.

To add *family life* education services to the social services offered residents of the Yeatman area of St. Louis.

D-464 (68-1). GEAR-UP. New Hampshire Dept. of Health and Welfare, State House Annex, Concord NH 03301; George E. Murphy.

To employ a *management analyst* to determine program relations between *multiple programs* in a single State agency as they affect *administration*.

D-465 (68-3). HUNTS POINT NEIGHBORHOOD SERVICE PROGRAM. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Jack R. Goldberg.

To experiment with the use of *professional* and *subprofessional neighborhood workers* to demonstrate that the use of neighborhood workers will increase the income support and social service delivery by the Department of Social Services.

D-467 (68-3 mo.).* SUMMER YOUTH OPPORTUNITY PROGRAM. Puerto Rico Dept. of Social Services, P. O. Box 9342, Santurce, PR 00908; Mrs. Ada I. Rivera de Jimenez.

A *waiver* of Sections 402(a)(1) and (7) of the Social Security Act has been granted in this project to allow the State agency to *disregard* the AFDC *youth income* earned for *summer employment* when computing the assistance grant.

D-468 (68-3). SUMMER YOUTH OPPORTUNITY PROGRAM. Florida State Dept. of Public Welfare, P. O. Box 2050, Jacksonville, FL 32203; Frances Davis.

To employ a *specialist* in the State agency to coordinate *summer employment* programs for AFDC *young persons*.

D-469 (68-3). COMPREHENSIVE SOCIAL DEVELOPMENT PLAN. Hawaii Dept. of Social Services, P. O. Box 339, Honolulu, HI 96809; Royce Higa.

To *develop* a State *comprehensive social development plan* for improving the delivery of services.

D-470 (68-2). AFDC DAY CARE PROGRAM, HARRIS COUNTY, TEXAS. Texas State Dept. of Public Welfare, John H. Reagan State Office Bldg., Austin, TX 78701; Burton G. Hackney.

To provide continuation and expansion of *day care* and related services to AFDC applicants and recipients through joint State and local development of a *community-coordinated* child care program.

D-475 (68-1 mo.).* MODEL SCHOOL PLANNING CONFERENCE, DC. District of Columbia Dept. of Public Welfare, 122 C St. N.W., Washington, DC 20001; Norman W. Nickens.

A demonstration in *cooperative planning* between *school* and *community* directed toward *urban excellence* in *education*, with a *waiver* of Sections 402(a)(1) and (7) of the Social Security Act to facilitate participation of AFDC mothers.

D-480 (68-1).* SIMPLIFIED PAYMENT SYSTEM. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Jack R. Goldberg.

To test the effectiveness of a *cyclical series* of centrally authorized *grants* to cover *special needs* for clothing and household replacements in lieu of the present system of client application and worker verification.

D-482 (68-1).* SIMPLIFICATION OF EVALUATION LIFE INSURANCE AS A RESOURCE IN AID TO THE BLIND. Massachusetts Commission for the Blind, 39 Boylston St., Boston, MA 02116; John F. Mungovan.

To *study* and *evaluate life insurance* as a *reserve* in public assistance to an applicant or recipient of Aid to the *Blind;* a waiver of plan requirement was granted.

D-483 (69-2). WELFARE INFORMATION SYSTEM. Oklahoma Dept. of Public Welfare, Sequoyah Bldg., Oklahoma City, OK 73125; Charles F. McDermott.

To use a *computer* as a *diagnostic* tool to assist social workers and rehabilitation coun-

selors in coordinating and expanding services to clients.

D-484 (68-1).* ROANOKE-CHOWAN ALCOHOL INFORMATION AND SERVICE CENTER. North Carolina Dept. of Public Welfare, P. O. Box 2599, Raleigh, NC 27602; Mrs. Norma P. Smith.

To conduct a *counseling*, referral, and *educational* service for *alcoholics* and their families with a special effort directed towards those receiving public assistance.

D-487 (68-1). RETENTION OF INCREASED INSURANCE ASSETS. Rhode Island Dept. of Social Welfare, One Washington Ave., Providence, RI 02905; John H. Reilly.

To *determine* the *impact* on the public assistance caseload of an *increase* in the face value of retainable *insurance*.

D-488 (69-2). EVALUATION AND INVENTORY PROJECT. Washington State Dept. of Public Assistance, P.O. Box 1162, Olympia, WA 98501; Lawrence Cooper.

To provide a *multidisciplinary team* to evaluate the *rehabilitation potential* of a selected group of public assistance recipients, and to provide needed rehabilitation *services*.

D-492 (68-1).* TRAINING AND EARNED INCOME INCENTIVE. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Harry Posman, Ph.D.

To extend Section 402(a)(8) *exemptions* of the Social Security Act on a statewide basis to all ADC *recipients* in *vocational training* so that they may become self-supporting members of society.

D-494 (68-1).* IMPLEMENTATION OF A SINGLE ORGANIZATIONAL UNIT FOR AFDC, CHILD WELFARE PROGRAMS AND SEPARATION OF SERVICES AND ELIGIBILITY AT THE LOCAL LEVEL IN THE AFDC CATEGORY. Louisiana Dept. of Public Welfare, P. O. Box 44065, Baton Rouge, LA 70804; Alvis D. Roberts.

To effect a clear *separation* of the *eligibility* determination and social *service* functions in the AFDC category.

D-496 (69-1). DECLARATION METHOD OF ESTABLISHING ELIGIBILITY IN ADC. Louisiana Dept. of Public Welfare, P. O. Box 44065, Baton Rouge, LA 70804; Gary M. Varnado.

To establish, through *differential use of staff*, a system of *eligibility* determination for assistance payments which will promote improved use of staff time and skill, provide for prompter establishment of eligibility, and enable clients to assume greater responsibility in determining their eligibility.

D-501 (69-18 mo.). OPERATION HOPE. FLORIDA Dept. of Public Welfare, 227 Park St., Jacksonville, FL 32203; Emmett S. Roberts.

To demonstrate the feasibility of using various forms of *alternate care* for *geriatric* patients who have been medically determined as not in need of care in a specialized psychiatric facility.

D-503 (69-6 mo.).* AFDC FOSTER CARE PROGRAM. Texas State Dept. of Public Welfare, John H. Reagan State Office Bldg., Austin, TX 78701; Burton G. Hackney.

To maintain the *dependent child* in his *own home*, to *assist parents* in providing for the child's care; and to plan for continued care of the child removed from his home by court action; a waiver of plan requirement has been granted.

D-504 (69-3). MOBILIZATION OF COMMUNITY RESOURCES TOWARD PREVENTION AND REDUCTION OF BIRTHS OUT-OF-WEDLOCK AND TO OTHERWISE STRENGTHEN FAMILY LIFE. State of Oklahoma Dept. of Public Welfare, P. O. Box 25352, Oklahoma City, OK 73125; Dorothy Channel.

To develop a model for a program aimed at attacking the sources of *unwed parenthood* through mobilization and coordination of *community resources*.

D-505 (69-3 mo.).* SUMMER EMPLOYMENT FOR YOUTH 1969. Arkansas State Dept. of Public Welfare, Box 1437, Little Rock, AR 72203; Mrs. Mary Eddy Thomas.

To *employ* approximately 55 AFDC *youth* during the *summer months* with special emphasis on retaining qualified youth as part-time regular employees at the termination of the project.

D-507 (69-1). SIMPLIFIED CONSIDERATION OF LIFE INSURANCE AS A RESOURCE. Vermont Dept. of Social Welfare, Montpelier, VT 05602; Vasili L. Bellini.

To *simplify determination* of *need* by *eliminating* consideration of cash value of *life insurance* in the belief that life insurance is generally not a realistic resource to meet current need.

D-509 (69-2). MONTANA WELFARE LEGAL SERVICE PROGRAM. Montana State Dept. of Public Welfare, P. O. Box 1723, Helena, MT 59601; Thomas H. Mahan.

To determine the feasibility of providing *statewide legal services* to the poor, particularly public assistance recipients in *rural* areas through circuit rider and Judicare programs.

D-511 (69-1). MECKLENBURG COUNTY DEPARTMENT OF PUBLIC WELFARE, AGENCY OPERATED CHILD DEVELOPMENT - DAY CARE CENTERS. North Carolina State Dept. of Public Welfare, P. O. Box 2599, Raleigh, NC 27602; Wallace H. Kuralt.

To provide *comprehensive* social services to

all members of the families receiving AFDC by raising the standards of all county programs and using the proposed facilities for observation and training.

D-512 (69-3). A SYSTEMS APPROACH TO MANPOWER UTILIZATION AND TRAINING. Utah State Division of Welfare, 231 East 4th St. South, Salt Lake City, UT 84111; Kathryn Desserich.

To improve the *service delivery system* and the quality and quantity of services through the *development* and testing of a different *staffing structure*.

D-516 (69-3). TAMPA CHILD CARE PROJECT. Florida State Dept. of Public Welfare, P. O. Box 2050, Jacksonville, FL 32203; G. C. Neill.

To provide *complete family day care* services utilizing community efforts to meet the needs of *working mothers*.

D-519 (69-2). AN EDUCATIONAL PROGRAM FOR SUPERVISION IN PUBLIC WELFARE. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; James R. Dumpson.

To develop and conduct an *educational program* for *supervisors* who have not had professional training.

D-521 (69-1). SEATTLE INCOME MAINTENANCE EXPERIMENT. Washington State Dept. of Public Assistance, P. O. Box 1162, Olympia, WA 98501; Sidney E. Smith.

An experiment in testing the effect of a *graduated work incentive* type of *income maintenance* program.

D-525 (69-3). MODEL STATE PROJECT FOR PUBLIC WELFARE DATA PROCESSING. Florida Dept. of Public Welfare, 227 Park St., Jacksonville, FL 32203; James K. Linnan.

One of four profile States for the National ADP plan intended to design and implement *optimum systems structures* required to support the *administration* of welfare programs in varying governmental environments--Federal, State, and local.

D-527 (69-3). WORK EVALUATION CENTER PROJECT. Oregon State Public Welfare Commission, Public Service Bldg., Salem, OR 97310; Mrs. Bertha Roth.

To *combine* the *resources* of three Oregon State agencies so as to serve the clients of all three expeditiously and without duplication.

D-531 (69-3). NEW YORK STATE MODEL PROJECT WITHIN THE NATIONWIDE PROGRAM FOR PUBLIC WELFARE DATA PROCESSING. New York State Dept. of Social Services, 112 State St., Albany, NY 12201; Fredrick W. Butler.

One of four profile States for the National ADP plan intended to design and implement *optimum systems structures* required to support the *administration* of welfare programs in varying governmental environments--Federal, State, and local.

D-533 (69-3). MAINE MODEL STATE PROJECT FOR PUBLIC WELFARE DATA PROCESSING. Maine Dept. of Health and Welfare, State St., Augusta, ME 04330; David Smith.

One of four profile States for the National ADP plan intended to design and implement *optimum systems structures* required to support the *administration* of welfare programs in varying governmental environments--Federal, State, and local.

D-534 (69-2). EMPLOYMENT AND CAREER OPPORTUNITIES FOR THE MEXICAN-AMERICAN GROUP. California Dept. of Social Welfare, 744 P St., Sacramento, CA 95814; F.J. Rosati.

To seek ways and means for *career opportunities* with as few barriers as possible, for those of *Mexican-American* descent.

D-535 (69-3). MECKLENBURG COUNTY EXTENDED DAY CARE PROGRAM FOR MODEL CITIES AREA. North Carolina State Dept. of Public Welfare, P. O. Box 2599, Raleigh, NC 27602; Wallace Kuralt.

To provide an *extended day care* program for *school-age* children after school and during the summer months.

D-536 (69-3). SMITHVILLE--DE KALB COUNTY MODEL CITIES PROGRAM, HOMEMAKER SERVICE. Tennessee Dept. of Public Welfare, 410 State Office Bldg., Nashville, TN 37219; Herman L. Yeatman.

To determine the cost and effectiveness of *homemaker* service in a *rural* area with widely scattered clientele.

D-537 (69-3). MODEL STATE PROJECT FOR PUBLIC WELFARE DATA PROCESSING. California Dept. of Social Welfare, 744 P St., Sacramento, CA 95814; Harold Knedle.

One of four profile States for the National ADP plan intended to design and implement *optimum systems structures* required to support the *administration* of welfare programs in varying governmental environments--Federal, State, and local.

D-539 (69-3). COORDINATION OF CHILD-CARE EFFORTS AND SERVICES IN THE MINNEAPOLIS, MINNESOTA PILOT CITY'S WILLARD SCHOOL DISTRICT. Minnesota Dept. of Public Welfare, Centennial Bldg., St. Paul, MN 55101; Arnold E. Gruber.

To establish a *comprehensive child day-care center* which will serve as a demonstration of the benefits of a coordinated community effort, both public and private, in meeting unfilled day-care needs.

D-540 (69-2). PARENTS' AID PROGRAM. Mississippi Dept. of Public Welfare, P. O. Box 4321,

Fondren Station, Jackson, MS 39216; Edward N. Lee.

To utilize *high school volunteers* in the provision of after-school *child care* to children of present, former, and potential AFDC recipients.

D-541 (69-3). DAY CARE SERVICE FOR SELF-HELP INDUSTRIES IN COLUMBIA COUNTY. Oregon State Public Welfare Commission, Public Service Bldg., Salem, Oregon 97310: Bertha Roth.

To meet the need for family *day care* offered to ADC *former* and *potential* recipients so that they may continue their employment.

D-543 (69-3). LEGAL SERVICES PROGRAM. Connecticut State Welfare Dept., 1000 Asylum Ave., Hartford, CT 06105; W. McCrae

To establish *legal services* for a limited number of public assistance recipients.

D-544 (69-3). PART A, PURCHASE OF CARE FOR CHILDREN IN THEIR OWN OR RELATIVES' HOMES; PART B, EMERGENCY SERVICES FOR CHILDREN IN NEED OF PROTECTION. Alabama State Dept. of Pensions and Security, Montgomery, AL 36104; Jenny L. Taylor.

To provide payments for *child care* in the *child's own home* or that of a relative and to provide *protective services* for children in *emergencies*.

D-545 (69-2). COMPREHENSIVE CHILD CARE AND DEVELOPMENT PROJECT. New Mexico Health and Social Services Dept., P. O. Box 2348, Santa Fe, NM 87501; John G. Jasper.

To design and test a *comprehensive* system of *child care* and *development* in the Albuquerque model neighborhood area.

D-547 (69-3). GEORGIA CONSUMER AFFAIRS PROJECT. Georgia State Dept. of Family and Children Services, Atlanta, GA 30334; Phil Cawthon.

To provide *information* to welfare recipients and *low income consumers* which allow them to individually *protect* their interests as consumers and to *manage* family money in the manner which maximizes total utilization.

D-550 (69-1). GARY MODEL CITIES - INCOME MAINTENANCE EXPERIMENT. Indiana Dept. of Public Welfare, State Office Bldg., 100 North Senate Ave., Indianapolis, IN 46204; William A. Sterrett.

To test the effect of a *graduated family allowance income maintenance* program covering a representative sample of the poor and near-poor in the Gary Model City area.

PART 4

RESEARCH AND TRAINING CENTER PROJECTS

Research and Training Centers Approved
Under Section 4
The Vocational Rehabilitation Act of 1965

June 1962 - December 1969

RESEARCH AND TRAINING CENTERS

RT-1 New York University (Medical)
New York Univ. Medical Rehabilitation Research and Training Center
400 East 34th St.
New York, NY 10016

RT-2 University of Minnesota (Medical)
Univ. of Minnesota Medical Rehabilitation Research and Training Center
Dept. of Physical Medicine and Rehab.
Minneapolis, MN 55455

RT-3 University of Washington (Medical)
Univ. of Washington Medical Rehabilitation Research and Training Center
Dept. of Physical Medicine and Rehab.
15th Ave. N. E.
Seattle, WA 98105

RT-4 Baylor University (Medical)
Baylor Univ. Medical Rehabilitation Research and Training Center
1333 Moursund Ave., P. O. Box 20095
Houston, TX 77025

RT-6 Emory University (Medical)
Emory Univ. Medical Rehabilitation Research and Training Center
80 Butler St. S. E.
Atlanta, GA 30303

RT-7 Tufts University (Medical)
Tufts Univ. Medical Rehabilitation Research and Training Center
Dept. of Physical Medicine and Rehab.
171 Harrison Ave.
Boston, MA 02111

RT-8 Temple University (Medical)
Temple Univ. Medical Rehabilitation Research and Training Center
Dept. of Physical Medicine and Rehab.
3400 North Broad St.
Philadelphia, PA 19122

RT-9 George Washington University (Medical)
George Washington Univ. Medical Rehabilitation Research and Training Center
901 23rd St. N. W.
Washington, DC 20006

RT-10 University of Colorado (Medical)
Univ. of Colorado Medical Rehabilitation Research and Training Center
Dept. of Physical Medicine and Rehab.
4200 East 9th Ave.
Denver, CO 80220

RT-11 University of Wisconsin (Mental Retardation)
Univ. of Wisconsin Mental Retardation Research and Training Center
Center on Behavioral Disabilities
1815 University Ave. Madison, WI 53706

RT-12 University of Texas (Mental Retardation)
Univ. of Texas Mental Retardation Research and Training Center
Austin, TX 78712

RT-13 Arkansas Rehabilitation Service and University of Arkansas (Vocational Rehabilitation)
Univ. of Arkansas Vocational Rehabilitation Research and Training Center
Hot Springs Rehabilitation Center
Hot Springs, AR 71901

RT-14 University of Pittsburgh and Pennsylvania Bureau of Rehabilitation (Vocational Rehabilitation)
Univ. of Pittsburgh Vocational Rehabilitation Research and Training Center
Cathedral of Learning
Pittsburgh, PA 15213

RT-15 West Virginia Division of Vocational Rehabilitation and West Virginia University (Vocational Rehabilitation)
Univ. of West Virginia Vocational Rehabilitation Research and Training Center
Institute, WV 25112

RT-16 University of Oregon (Mental Retardation)
Univ. of Oregon Mental Retardation Research and Training Center
Sch. of Education
Eugene, OR 97403

RT-17 New York University (Deaf)
New York Univ. Deafness Rehabilitation Research and Training Center
80 Washington Square
New York, NY 10003

RT-18 University of Southern California (Medical)
Univ. of Southern California Medical Rehabilitation Research and Training Center
1G26 General Labs Bldg.
Los Angeles Co. General Hospital
1200 North State St.
Los Angeles, CA 90033

RT-19 University of Alabama (Medical)
Univ. of Alabama Medical Rehabilitation Research and Training Center
Dept. of Physical Medicine and Rehabilitation
Birmingham, AL 35233

RT-20 Northwestern University (Medical)
Northwestern Univ. Medical Rehabilitation Research and Training Center
Dept. of Rehabilitation Medicine
401 East Ohio St.
Chicago, IL 60611

RT-1-C-4 (60-). SPECIALIZED PLACEMENT OF THE SEVERELY HANDICAPPED. Meyer Siegel, Ph.D.

To develop services and techniques to increase the employment potential and job opportunities for severely disabled clients through *specialized placement*.

RT-1-C-3 (61-4).* CULTURAL AND PERSONALITY FACTORS AFFECTING THE ADEQUACY OF THE GRADUATE MEDICAL TRAINING OF FOREIGN PHYSICIANS IN THE UNITED STATES. Howard A. Rusk, M.D.

To determine *foreign physicians'* own perceptions and evaluations of their *graduate training* experiences in this country.

RT-1-C-4 (62-5).* CARDIOVASCULAR REHABILITATION OF THE AGED. Michael M. Dacso, M.D.

To study objective measurements of working capacity and employment potential in *cardiovascular* rehabilitation of the aged.

RT-1-C-3 (64-). SOURCE AND LENGTH OF UTTERANCES IN SPEECH THERAPY WITH APHASICS. Leonard Diller, Ph.D.

To study the ecology of *talking behavior* and questions about attention and talking in *aphasia*.

RT-1-C-5 (64-10). DOMESTIC STUDIES IN ISCHEMIC CARDIOVASCULAR AND CEREBROVASCULAR DISEASE. H. H. Whiter.

To select individuals from putatively normal populations who are most prone or least prone to *ischemic heart disease*.

RT-1-C-5 (64-10). ISCHEMIC CEREBROVASCULAR DISEASE: ASSESSMENT OF RISK FACTORS. H. H. Whiter.

To study factors which may be involved in *ischemic cerebrovascular disease*.

RT-1-C-2 (62-5).* FACTORS AFFECTING THE RESPIRATORY GASES IN TISSUES. Edward H. Bergofsky, M.D.

To measure the concentrations of oxygen and carbon dioxide in tissues and to relate these concentrations to *tissue metabolism* and *blood flow*.

RT-1-C-5 (62-5).* INVESTIGATION OF RESPIRATORY FAILURE IN PATIENTS WITH QUADRIPLEGIC AND OTHER MUSCULO-SKELETAL DISORDERS. Edward H. Bergofsky, M.D.

To investigate reason for delayed rehabilitation in *quadriplegic* patients of traumatic type.

RT-1-C-4 (62-5).* THE MECHANICAL PERFORMANCE OF THE THORAX IN NORMAL SUBJECTS AND IN QUADRIPLEGIC PATIENTS. Edward H. Bergofsky, M.D.

To investigate the cause of the *respiratory failure* that is frequently observed in *quadriplegic* patients.

RT-1-C-7 (62-). LONG-TERM FOLLOW-UP OF PULMONARY PERFORMANCE IN PATIENTS WITH AMYOTONIA CONGENITA. Albert Haas, M.D.

To investigate pulmonary performance in the patient with *amyotonia congenita*.

RT-1-C-1 (62-). COMPARISON OF HEART RATE AND GALVANIC SKIN RESPONSE CONDITIONING. Jacob Halberstam, Ph.D.

To compare the conditioning effect, if any, of the *heart rate* response with that of the *GSR*.

RT-1-C-6 (62-). KITCHEN AND HOME PLANNING FOR THE PHYSICALLY HANDICAPPED. Virginia H. Wheeler.

To study the practical procedures for adapting or changing *architectural barriers* that prevent the *handicapped* from functioning independently in their own homes.

RT-1-C-1 (62-). ORTHOTIC RESEARCH. Muriel E. Zimmerman, B.S.

A study of techniques of evaluating *orthotic* devices and design of equipment in terms of satisfactory function.

RT-1-C-5 (63-2). A CLINICAL DISABILITY RATING FOR PARKINSON PATIENTS. Augusta Alba, M.D.

To design a specific examination procedure to establish the neurological status of the *Parkinson patient*.

RT-1-C-3 (63-3).* REGULATION OF FETAL FLUID AND ACID-BASE ENVIRONMENT. J. N. Barker, Ph.D.

To seek the intrauterine causes of *congenital* and *birth injuries*.

RT-1-C-4 (63-5). EFFECT OF PROLONGED RESIDENCE IN AN ENRICHED OXYGEN ATMOSPHERE ON THE REHABILITATION OF PATIENTS WITH EMPHYSEMA AND NEUROMUSCULAR DISEASES. Edward H. Bergofsky, M.D.

To determine the possibility of speeding the course of rehabilitation in patients with *chronic lung diseases* and with *brain diseases* due to diminished blood supply.

RT-1-C-2 (63-). LEARNING PROJECT. Leonard Diller, Ph.D.

To study the learning of skills, the processes of therapeutics in rehabilitation, and the actual occurrences in *retraining* situations.

RT-1-C-2 (63-). CARDIAC EPIDEMIOLOGY. Menard Gertler, M.D.

To develop newer methods and personnel experience for a major and important epidemiology study of *vascular disease*.

RT-1-C-3 (63-3). TRANSMEMBRANE POTENTIALS OF SKELETAL MUSCLE IN MAN. Joseph Goodgold, M.D.

To study intact human beings afflicted with various *neuromuscular diseases*.

RT-1-C-1 (63-). CARDIO-RESPIRATORY STUDY ON QUADRIPLEGICS. Edward W. Lowman, M.D.

To investigate the respiratory physiology, cardiovascular status, and energy metabolism of *quadriplegic* patients.

RT-1-C-4 (63-2). AN EVALUATION OF SYNOVIAL FLUID LEUKOCYTES. Robert F. Willkens, M.D.
To test the diagnostic specificity of inclusion containing *white cells*.

RT-1-C-5 (64-). APPLICATION OF HYPERBARIC OXYGENATION TO REHABILITATION MEDICINE TECHNIQUES. Edward H. Bergofsky, M.D.
To investigate a method of producing enormous increases in *blood oxygen* levels.

RT-1-C-3 (64-5). THE CELLULAR BASIS FOR PULMONARY HYPERTENSION AND RIGHT HEART STRAIN DURING HYPOXIA. Edward H. Bergofsky, M.D.
To study the electrolyte flux which is established during hypoxic contractile *responses*.

RT-1-C-5 (64-4). STUDIES OF THE MECHANISM UNDERLYING THE PULMONARY PRESSOR RESPONSE TO HYPOXIA. Edward H. Bergofsky, M.D.
To stimulate *hypoxia* and analyze the manner in which pulmonary *hypertension* develops.

RT-1-C-4 (64-3). SOCIAL PSYCHOLOGICAL STUDY OF HEMIPLEGIA. Leonard Diller, Ph.D.
To collect and collate social psychological data on *stroke* patients.

RT-1-C-3 (64-3). ATTITUDES TOWARD REHABILITATION AND KNOWLEDGE OF DISABILITY. Leonard Diller, Ph.D.
To establish data on *patient attitudes* toward rehabilitation for use in developing actuarial characteristics of patients in the psychosocial area.

RT-1-C-4 (64-4). PILOT STUDY PSYCHOLOGICAL STUDIES WITH SPINA BIFIDA CHILDREN. Leonard Diller, Ph.D.
To develop a plan for an analysis of the educational and psychological problems of *spina bifida* children.

RT-1-C-5 (64-3). COGNITIVE DEVELOPMENT IN SPINA BIFIDA CHILDREN. Leonard Diller, Ph.D.
To investigate educational and psychological problems of children with *spina bifida*.

RT-1-C-3 (64-1). PILOT STUDY ON LEARNING MOTOR SKILLS IN ACTIVITIES OF DAILY LIVING IN HEMIPLEGIA. Leonard Diller, Ph.D.
An attempt to develop a method for observing the learning of *motor skills* in *hemiplegia*.

RT-1-C-4 (64-3). STUDIES IN APHASIA. Leonard Diller, Ph.D.
To develop methods and collect data on samples of speech in aphasics in home situations and to study phenomena associated with duration of speech therapy in *aphasia*.

RT-1-C-2 (64-1). STUDY OF PSYCHOMOTOR FUNCTIONING OF THE NEUROLOGICALLY IMPAIRED. Leonard Diller, Ph.D.
To delineate more precisely the deficits in *motor-sensory functioning* in the *neurologically impaired*.

RT-1-C-2 (64-). ELECTROPHYSIOLOGICAL STUDIES IN NEUROMUSCULAR DISEASES. Joseph Goodgold, M.D.
To investigate a wide spectrum of *neuromuscular diseases* by application of electrophysiological and biophysical techniques.

RT-1-C-4 (64-1). THE PARAWALKER - A NEW AMBULATING DEVICE FOR PARAPLEGICS. Mejer Ginzburg, M.D.
To design a new device, the *Parawalker*, for early active mobilization of *paraplegics* in the erect position.

RT-1-C-5 (64-4). THE EFFECTS OF CHALLENGE AND SUPPORTIVE INSTRUCTIONS ON THE VERBAL LEARNING OF AGED PERSONS. Edith Ross, M.A.
To determine whether age-related differences in *learning* and *retention* of paired-associate words could be attributed to experimental manipulation of the instructions given to subjects.

RT-1-C-3 (64-3). PAIRED-ASSOCIATE LEARNING, VERBAL CONDITIONING, AGE AND BRAIN-DAMAGE. Jacob L. Halberstam, Ph.D.
A study of verbal *learning* and verbal conditioning in relation to *aging* and *brain damage*.

RT-1-C-4 (64-5). DRIVER EDUCATION AND RESEARCH PROGRAM. Howard A. Rusk, M.D.
To develop devices and *driver education* to assist severely disabled patients in learning to drive.

RT-1-C-5 (64-). FUNCTIONAL IMPROVEMENTS IN BODY CONTROLLED FINGER PREHENSION SPLINTS. Richard Lehneis, C.P.O.
To improve the functional value of presently existing *orthotic* devices.

RT-1-C-2 (64-). ELECTROMYOGRAPHIC STUDIES IN ENTRAPMENT LESIONS OF THE TIBIAL NERVE. Clark T. Randt, M.D.
A clinical *electrodiagnostic study* of individuals with motor and sensory symptoms involving the tibial nerve below the level of the ankle.

RT-1-C-6 (64-4). BEHAVIOR AFTER ASPHYXIA NEONATORUM. Jeri Sechzer, Ph.D.
To obtain clear-cut information about the impairment of learning and memory by *birth asphyxiates* (monkeys).

RT-1-C-4 (64-1). INTERVAL TRAINING IN REHABILITATION OF THE AMPUTEE. Vojin N. Smodlaka, M.D.

To evaluate the responses of *amputee* patients to a controlled exercise and systematic physical reconditioning program utilizing the method of *interval training*.

RT-1-C-5 (64-2). ENERGY EXPENDITURE STUDIES IN PARKINSON PATIENTS. Frieda S. Trainor, Ph.D.

To evaluate the oxygen comsumption of the *Parkinson patient*.

RT-1-C-4 (64-1). PULMONARY FUNCTION OF THE PARKINSON PATIENT. Frieda S. Trainor, Ph.D.

To determine the presence and degree of pulmonary disability and to establish the relationship between tremor, rigidity, and pulmonary function in the *Parkinson patient*.

RT-1-C-4 (64-5). ROLE OF ASPHYXIA IN ETIOLOGY OF CEREBRAL PALSY AND MENTAL RETARDATION. William F. Windle, Ph.D.

To investigate the role of *birth asphyxia* in mental retardation, cerebral palsy, and brain damage.

RT-1-C-7 (64-). BRAIN DAMAGE AT BIRTH; FUNCTIONAL AND STRUCTURAL MODIFICATIONS WITH TIME. William F. Windle, Ph.D.

To examine the role of *asphyxia neonatorum* as it affects structure and function of the off spring.

RT-1-C-6 (65-3). PERINATAL VASCULAR CAUSES OF NEONATA ATELECTASIS AND CEREBRAL INJURY. June N. Barker, Ph.D.

To develop a process and method whereby *cerebral injury* of the cerebral palsy type can be prevented through the observation of fetal rats.

RT-1-C-3 (65-1). COMPARATIVE STUDIES OF KNEE JERK AND ANKLE JERK IN HEMIPLEGICS. Michael M. Dacso, M.D.

To quantitate the loss in reflex response in *hemiplegics* for diagnostic purposes, as well as for the prediction of success in hemiplegic rehabilitation.

RT-1-C-5 (65-2). A CROSS-CULTURAL STUDY OF ATTITUDES OF CEREBRAL PALSIED ADULTS. Leonard Diller, Ph.D.

An attempt to interrelate factors of disability, cultural pattern, and attitudes of *cerebral palsied* adults.

RT-1-C-5 (65-4). A PROSPECTIVE LONGITUDINAL STUDY OF ADJUSTMENT IN HEMIPLEGIA. Leonard Diller, Ph.D.

To study social and attitudinal changes in *hemiplegic* patients admitted to a city hospital and patients admitted to a nongovernmental institution.

RT-1-C-5 (65-3). STUDIES IN ATTENTION IN HEMIPLEGIA. Leonard Diller, Ph.D.

To measure attention in *aphasic* individuals.

RT-1-C-3 (65-5). ADVANCED EPIDEMIOLOGY OF CARDIOVASCULAR DISEASE. Menard M. Gertler, M.D.

To delineate in biochemical terms the *coronary-prone* and cerebrovascular-prone individuals and to determine the effects of planned preventive therapy.

RT-1-C-6 (65-5). EPIDEMIOLOGY OF THE ISCHEMIC VASCULAR STATE (HEART AND CEREBROVASCULAR). Menard M. Gertler, M.D.

To study variables which might reflect changes in vascular metabolism associated with developing *ischemic disease* pathology.

RT-1-C-6 (65-5). INTERNATIONAL EPIDEMIOLOGY OF VASCULAR DISEASE. Menard Gertler, M.D.

To gain knowledge of those factors that lead to a disposition to ischemic cerebrovascular disease and *ischemic* heart *disease*.

RT-1-C-6 (65-5). METABOLIC ASSESSMENT OF THE ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE (ITCD) PATIENT. Menard Gertler, M.D.

To study and analyze several parameters of *ischemic* thrombotic cerebrovascular *disease*.

RT-1-C-7 (65-). DRIVER EDUCATION AND RESEARCH PROJECT. Jack M. Hafkosh.

To evaluate driving problems of *severely disabled* persons, to develop *driver education* programs based on these evaluations, and to design adaptive equipment for use in driving.

RT-1-C-5 (65-). APPLICATION OF ELECTRICAL POWER TO FUNCTIONAL ARM ORTHOSES. Richard Lehneis.

To provide the severely involved *quadriplegic* with high cervical cord lesion of C 4-5 with volitional control of arm and hand function through the application of electrical power to functional arm *orthoses*.

RT-1-C-5 (65-3). WHEELCHAIR STUDY. Mathew Lee, M.D.

To investigate the attitudes of rehabilitation patients and staff and of nonpatients toward the *wheelchair*.

RT-1-C-4 (65-3). A STUDY OF DYNAMIC KINESIOLOGY USING A CYBERNETIC EXERCISER. Edward W. Lowman, M.D.

To demonstrate the use of a *Cybernetic Exerciser* in resistive therapeutic exercise program.

RT-1-C-7 (65-). CLINICAL APPLICATIONS OF ISOKINETIC EXERCISE. E. Lowman, M.D.

To evaluate the effect of two different training programs in *isokinetic exercise* on

increasing strength and endurance of selected muscle groups.

RT-1-C-5 (65-). EVALUATION OF A RESISTIVE EXERCISE DEVICE IN NORMAL AND HEMIPLEGIC SUBJECTS. Edward W. Lowman, M.D.
To evaluate a *Resistive Exercise Device* based on new biomechanical principles and its potential in both measuring and building muscle.

RT-1-C-7 (65-6). GLOMERULAR NEPHRITIS EXPERIMENTALLY INDUCED IN MONKEYS WITH A VIRUS PREPARATION. J. S. Monroe, M.D.
To explore ways of rehabilitating human subjects with *renal disease*.

RT-1 (65-5). MYELOID HYPERACTIVITY IN MONKEYS INOCULATED WITH HUMAN LEUKEMIC BLOOD. J. S. Monroe, M.D.
To describe *myeloid hyperactivity* in monkeys inoculated with human leukemic blood.

RT-1-C-6 (65-5). PROGESTERONE EFFECTIVE AS AN IMMUNOSUPPRESSANT AGENT. J. S. Monroe. M.D.
To determine the way in which progesterone acts as an *immunosuppressant* agent.

RT-1-C-6 (65-5). NEPHRITIS AND BRAIN ATROPHY IN MONKEYS RECEIVING CHICKEN SARCOMA VIRUS. J. S. Monroe, M.D.
To determine the development of *nephritis* and brain atrophy in monkeys inoculated with preparations of Rous chicken *sarcoma virus*.

RT-1-C-5 (65-). ARTICULATORY IMPAIRMENT IN BRAIN DAMAGED PATIENTS. Martha L. Taylor.
To describe and classify these impairments to facilitate the development of specialized techniques for the *language retraining* of *brain-damaged* patients.

RT-1-C-4 (65-3). PROGRAMMED LANGUAGE INSTRUCTION FOR APHASIC PATIENT. Martha L. Taylor.
A programmed psycholinguistic approach to *aphasia rehabilitation*.

RT-1 (65-4). RELIABILITY MEASURES OF THE FUNCTIONAL COMMUNICATION PROFILE. Martha Taylor Sarno.
To refine the *Functional Communication Profile* in order to better study and select language-impaired patients in terms of their vocational possibilities.

RT-1-C-7 (64-6). IMPAIRMENT OF MEMORY AND LEARNING IN MONKEYS ASPHYXIATED AT BIRTH. Jeri A. Sechzer.
To evaluate the psychological functioning of monkeys *asphyxiated at birth*.

RT-1-C-5 (65-2). SOME PHYSIOLOGICAL RESPONSES OF PARKINSON PATIENTS TO AN INTERVAL TRAINING PROGRAM. Vojin N. Smodlaka, M.D.
The participation of long-term hospitalized Parkinson patients in an *interval training* program three times a week for twelve weeks.

RT-1-C-6 (66-1). ASSESSMENT OF MUSCULAR DYSTROPHY PATIENTS MAINTAINED ON CHRONIC VENTILATORY AID. Augusta Alba, M.D.
A detailed study with emphasis on respiratory function, of Duchenne's *muscular dystrophy* patients maintained with ventilatory aid.

RT-1-C-6 (66-2). REGULATION OF REGIONAL INTRACEREBRAL CIRCULATION DURING INJURY AND AGING. June N. Barker, Ph.D.
To examine methods by which *circulation* may be enhanced.

RT-1-C-6 (66-3). EFFECT OF OXYGEN AND CARBON DIOXIDE BLOOD LEVELS ON THE BLOOD FLOW TO VITAL ORGANS. Edward H. Bergofsky, M.D.
To provide basic data on the manner in which the *circulation* changes when the oxygen and carbon dioxide levels in the blood are changed.

RT-1-C-5 (66-3). TISSUE CULTURE STUDIES OF CELLS FROM NORMAL BRAINS AND BRAINS OF ANIMALS INFECTED WITH ONCOGENIC VIRUSES. Bernard Bates, M.Sc.
To determine, through *tissue culture studies*, if the central nervous system is an immunologically isolated area.

RT-1-C-5 (66-1). DEVELOPMENT AND FEASIBILITY TESTING OF A SPECIFIC METHODOLOGY FOR A LONG - RANGE STUDY OF PHYSICAL RECONDITIONING AND FUNCTIONAL MAINTENANCE IN OLDER PATIENTS WITH CHRONIC DISEASE. Michael M. Dacso, M.D.
A study investigating the requirements for a *physical reconditioning* and maintenance program designed to fulfill the needs of *elderly individuals*.

RT-1-C-5 (66-2). LEARNING MOTOR SKILLS IN HEMIPLEGIA. Leonard Diller, Ph.D.
To assess patterns of change in *hemiplegics* performing motor acts while mastering functional activities of daily living.

RT-1-C-4 (66-2). STUDY OF ERRORS IN LEARNING FUNCTIONAL MOTOR SKILLS IN HEMIPLEGIA. Leonard Diller, Ph.D.
To develop a method and collect data on styles of learning ADL in *hemiplegia* by observing the nature, frequency, and type of errors which occur in learning.

RT-1 (66-5). THE BREEDING PROGRAM IN MACACA MULATTA. M. D. Faro, Ph.D.
To obtain pregnant animals through a *breeding program*.

RT-1-C-5 (66-3). THE DISTRIBUTION OF 14C AND 3H LABELED DIGITALIS IN THE MYOCARDIUM. M. M. Gertler, M.D.

To get basic information concerning the actual cellular locus of *digitalis* action.

RT-1-C-5 (66-3). THE INFLUENCE OF DIGITALIS ON 32P UPTAKE OF ADENINE NUCLEOTIDES IN CONGESTIVE HEART FAILURE. M. M. Gertler, M.D.

To gain understanding of the mechanism of action of *digitalis*.

RT-1-C-5 (66-5). INTERNATIONAL STUDIES IN ISCHEMIC CARDIOVASCULAR AND CEREBROVASCULAR DISEASE. M. M. Gertler, M.D.

A detailed study will be made of the relationship between family history, *ischemic* heart *disease*, ischemic cerebro vascular disease, serum lipids, and enzymes in various groups of people.

RT-1-C-5 (66-3). THE MEASUREMENT OF CORONARY BLOOD FLOW BY MEANS OF RUBIDIUM. M. M. Gertler, M.D.

The use of 84Rb to determine *coronary blood flow*.

RT-1-C-5 (66-4). A DIFFERENTIAL STUDY OF ANKLE JERK IN NORMAL AND PATHOLOGICAL SUBJECTS (INCLUDING PROGRESSIVE CHANGES WITH AGE): AND APPLICATION OF THE FINDINGS TO ETIOLOGICAL FACTORS IN SENILITY. Mejer Ginzburg, M.D.

To aid in the improvement of diagnostic procedures for elderly *hemiplegics*.

RT-1-C-5 (66-1). THE PLATFORM WALKER - AMBULATING DEVICE FOR DIFFERENT TYPES OF WHEELCHAIR-BOUND PATIENTS. Mejer Ginzburg, M.D.

To develop the *Platform Walker*, a device to aid in ambulation of severely disabled persons who cannot utilize standard supportive devices.

RT-1-C-5 (66-5). ELECTRODIAGNOSTIC STUDY IN POST-RADIATION NEUROPATHY. Joseph Goodgold, M.D.

To study a series of patients who show evidence of peripheral *neuropathy*.

RT-1-C-5 (66-3). ELECTRODIAGNOSTIC EVALUATION IN CARPAL TUNNEL DISEASE-- DIAGNOSTIC CRITERIA AND THERAPEUTIC EFFICACY. Joseph Goodgold, M.D.

To establish reliable early electrodiagnostic criteria and to determine the effect of medical or surgical treatment in carpal tunnel.

RT-1-C-5 (66-1). EVALUATION OF A GEARED WHEELCHAIR. Mathew Lee, M.D.

To determine the energy expenditure necessary to traverse a prescribed course while propelling a geared *wheelchair* using pump handles.

RT-1-C-6 (66-). ORTHOTIC DESIGN IMPROVEMENTS. H. Richard Lehneis, C.P.O.

To make use of plastics technology and to apply prosthetic fitting techniques to *orthotic* problems of a similar nature.

RT-1-C-6 (66-3). FOREIGN AND UNITED STATES INTERNS IN COMMUNITY HOSPITALS. Howard Rusk, M.D.

To investigate and compare various characteristics of *foreign interns* training in community hospitals.

RT-1-C-5 (66-5). THE BIOCHEMICAL EXAMINATION OF PAPILLARY MUSCLES DERIVED FROM HUMAN HEART SURGERY. E. Saluste, Ph.D.

To gain biochemical understanding of *congestive heart failure*.

RT-1-C-5 (66-). MULTI-VARIANT ANALYSIS OF FACTORS AFFECTING RECOVERY IN APHASIA. Martha L. Taylor.

To develop a method for computer analysis of clinical data related to verbal behavior in *aphasia*.

RT-1-C-5 (66-3). INTERHEMISPHERIC TRANSFER IN SPLIT-BRAIN ANIMALS IN UNILATERAL ABLATION OF THE SPECIFIC REGIONS OF THE CEREBRAL CORTEX. Jeri A. Sechzer, Ph.D.

To study the effect of one isolated *brain* hemisphere upon the other and to examine the abilities of each hemisphere to function separately.

RT-1-C-5 (66-). SPECIALIZED VOCATIONAL SERVICE FOR THE STROKE PATIENT. Meyer S. Siegel.

To study the problems and needs of *stroke* patients with severe residual disabilities and develop a program of services.

RT-1-C-7 (66-). STUDY OF THE VOCATIONAL PROBLEMS OF QUADRIPLEGICS AND OTHER SEVERELY DISABLED. Meyer S. Siegel.

To improve rehabilitation services and expand employment potential for the severely disabled through a study of their *vocational problems*.

RT-1-C-6 (66-1). VOCATIONAL REHABILITATION POTENTIAL OF PATIENTS WITH SPINA BIFIDA AND MYELOMENINGOCELE. Meyer S. Siegel.

To collect and evaluate data on the vocational rehabilitation potential of adult patients with *spina bifida* and Myelomeningocele.

RT-1-C-5 (66-1). ANALYSIS OF TOTAL HEART RATE AND MINUTE VOLUME OF RESPIRATION. Vojin N. Smodlaka, M.D.

To test the hypothesis that total *heart rate* and minute volume of *respiration* are less during interval work that during continuous work.

RT-1-C-6 (66-1). PHYSIOLOGICAL RESPONSES OF HEMIPLEGIC PATIENTS TO AN INTERVAL TRAINING PROGRAM. Vojin N. Smodlaka, M.D.

To evaluate the responses of hemiplegic patients to a specific exercise program.

RT-1 (66-). DYSAUTONOMIA IN CHILDREN WITH SPINA BIFIDA AND MYELOMENINGOCELE: VASOMOTOR RESPONSES. C. A. Swinyard, M.D.

To evaluate parameters of vasomotor function in children with *spina bifida* and myelomeningocele.

RT-1-C- (66-2). THE QUESTION OF NEURAL TUBE OVERGROWTH IN SPONTANEOUS HUMAN MYELOCELE AND EXPERIMENTALLY INDUCED MYELOCELE IN ANIMALS. C. A. Swinyard, M.D.

To study rate and duration of cell division through investigation of neural tube overgrowth in *myelocele*.

RT-1 (66-2). REHABILITATION MANAGEMENT OF PATIENTS WITH EPIDERMOLYSIS BULLOSA. C. A. Swinyard, M.D.

To study surgical release of digital contractures and oral rehabilitation of patients with *epidermolysis bullosa*.

RT-1 (66-5). STUDIES OF DYSAUTONOMIA IN HUMAN AND MYELOMENINGOCELE. C. A. Swinyard, M.D.

To study the pathoanatomic basis of dysautonomia in human fetuses, infants, and children with *spina bifida* and myelomeningocele.

RT-1-C-5 (66-1). THE CLINICAL USE OF A MERCURY STRAIN GAUGE PLETHYSMOGRAPH AND SKIN TEMPERATURE RECORDING DEVICE. Frieda S. Trainor, Ph.D.

To develop simple reliable diagnostic techniques for evaluating the status of peripheral circulation in rehabilitation patients through use of a mercury strain gauge *plethysmograph*.

RT-1-C-4 (66-3). NEUROLOGICAL DAMAGE BY ASPHYXIA NEONATORUM IN MONKEYS. William F. Windle, Ph.D.

To study the role of *asphyxia neonatorum* in mental retardation and cerebral palsy.

RT-1-C-5 (66-5). STUDIES OF SENSORY PERCEPTIONS AND SPATIAL ORIENTATION AMONG THE ELDERLY AND BRAIN-DAMAGED. Herbert H. Zaretsky, Ph.D.

To gain a better understanding of the strengths and deficits of the *elderly* and *brain-damaged* in *perception* and spatial orientation.

RT-1-C-6 (66-2). HYDRAULIC BICYCLE SAW FOR OCCUPATIONAL THERAPY. Muriel Zimmerman, M.A. OTR.

To develop a *hydraulic bicycle saw* capable of multiple and maximal adjustment to individual needs and with measurable amounts of work.

RT-1-C-7 (67-3). THE EFFECT OF ABDOMINAL WEIGHTS AND BODY POSITION ON DIAPHRAGMATIC PERFORMANCE IN PATIENTS WITH PULMONARY EMPHYSEMA. Edward H. Bergofsky, M.D.

To determine the effect of various body positions and the use of abdominal weights in forcing the diaphragm into a more craniad position in patients with pulmonary *emphysema*.

RT-1-C-6 (67-1). THE UNMOTIVATED PATIENT. M. David Diamond, Ph.D.

To relate the extent of patient participation in physical therapy procedures with attitude and situational factors in understanding the *unmotivated patient*.

RT-1-C-7 (67-4). THE NEUROCHEMISTRY OF CEREBRAL PALSY RESULTING FROM BIRTH ASPHYXIA. Maria D. Faro.

To obtain a better understanding of the biochemical development of the newborn nervous system through a study of the neurochemistry of *cerebral palsy* resulting from *birth asphyxia*.

RT-1-C-6 (67-5). BIOCHEMICAL EVALUATION OF CONGESTIVE HEART FAILURE. Menard Gertler, M.D.

To evaluate and perfect the postoperative care and rehabilitation of the patient with *congestive heart failure*.

RT-1-C-6 (67-5). COAGULATION PROFILE OF ISCHEMIC VASCULAR DISEASE. Menard Gertler, M.D.

To study patients with *ischemic* heart *disease* and ischemic thrombotic cerebrovascular disease to determine coagulation defects.

RT-1-C-6 (67-5). EVALUATION OF ADENOSINE TRIPHOSPHATE DERIVATES IN COMPLETED ISCHEMIC CEREBROVASCULAR DISEASE. Menard Gertler, M.D.

To establish a shorter period of hospitalization for those with *ischemic* thrombotic cerebrovascular *disease*.

RT-1-C-7 (67-2). INVESTIGATION OF MOTOR LATENCIES DISTAL TO THE WRIST IN RIGHT AND LEFT MEDIAN AND ULNAR NERVES IN MULTIPLE SCLEROSIS PATIENTS. Mejer Ginzburg, M.D.

To improve diagnosis and understanding of the pathogenesis of *multiple sclerosis*.

RT-1-C-6 (67-1). PERIPHERAL NERVE INVOLVEMENT VERSUS MOTOR STRENGTH IN MULTIPLE SCLEROSIS: AN ELECTRODIAGNOSTIC STUDY. PART I. MOTOR NERVE CONDUCTION VELOCITIES. Mejer Ginzburg, M.D.

To resolve the controversy over changes in peripheral nerves in *multiple sclerosis* and their speciality.

RT-1-C-5 (67-1). PERIPHERAL NERVE INVOLVEMENT VERSUS MOTOR STRENGTH IN MULTIPLE SCLEROSIS: AN ELECTRODIAGNOSTIC STUDY. PART II. DISTAL LATENCIES. Mejer Ginzburg, M.D.

To resolve the controversy over changes in the peripheral nerves and their specificity in multiple sclerosis.

RT-1-C-7 (67-2). PLATFORM WALKER - A DEVICE FOR AMBULATION BY THE WHEELCHAIR-BOUND PATIENT WHO CANNOT USE CRUTCHES. Mejer Ginzburg, M.D.

To develop the *Platform Walker*, a device for ambulation by the wheelchair-bound patient who cannot use crutches.

RT-1-C-6 (67-3). ELECTROPHYSIOLOGICAL STUDIES IN NEUROMUSCULAR DISEASES. Joseph Goodgold, M.D.

To improve diagnostic procedure and enhance the understanding of human *neuromuscular diseases*.

RT-1 (67-2). CONTROL OF ADULT SPASTIC STATES. B. B. Grynbaum, M.D.

To control adult *spasticity* using various surgical release and nerve block techniques.

RT-1-C-7 (67-3). RESPIRATORY INSUFFICIENCIES IN RIGHT HEMIPLEGIA. Albert Haas.

To study pulmonary function of right *hemiplegics* and the effect of enriched oxygenation on selected parameters.

RT-1 (67-2). SEQUELLAE OF HEMIPLEGIA INVOLVING THE UPPER EXTREMITY. T. A. Kiss, M.D.

To determine results of treatment in sequellae of *hemiplegia* involving the upper extremity.

RT-1-C-6 (67-1). A STUDY OF EVOKED ACTION POTENTIALS FROM THE THENAR MUSCLES OF THE HEMIPLEGIC HAND. Mathew Lee, M.D.

An exploratory study of the parameters of the *electrical response* to nerve stimulation of muscles paralyzed by *stroke*.

RT-1-C-6 (67-5 mo.). RELAXATION THERAPY AS A MODE OF TREATMENT FOR HEMIPLEGIA. Sidney Rosen, M.D.

To ascertain whether *relaxation therapy* is capable of ameliorating some of the physiological and mental dysfunctioning associated with *stroke*.

RT-1-C-6 (67-1). RELAXATION THERAPY PROJECT WITH PATIENTS WITHOUT BRAIN DAMAGE. Sidney Rosen, M.D.

To investigate the effectiveness of *relaxation therapy*.

RT-1-C-7 (67-5). COMPARATIVE ULTRASTRUCTURE OF TISSUE. Jack Rosenbluth.

To determine the contraction mechanism of non-striated animal *muscle tissue* in comparison with cross-striated muscle.

RT-1-C-7 (67-5). ULTRASTRUCTURE OF THE DEVELOPING NERVOUS SYSTEM. Jack Rosenbluth.

To investigate the factors that control the development of the *nervous system* in normal and abnormal animals.

RT-1-C-7 (67-3). CLASSICAL AND INSTRUMENTAL CONDITIONING OF AUTOMATIC AND MOTOR RESPONSES AMONG THE ELDERLY AND BRAIN DAMAGED. Jacob L. Halberstam, Ph.D.

To determine the physiological and behavioral *learning* capacities of *elderly brain-damaged* individuals.

RT-1-C-7 (67-3). THE EFFECT OF PAIN ON REHABILITATION. John E. Sarno.

To identify the purely physical components of patient's complaints and determine the effect of *pain* on *rehabilitation*.

RT-1-C-7 (67-2). DEVELOPMENT OF FUNCTIONAL LIFE PROFILE. John E. Sarno.

To design a clinical tool, the Functional Life Profile, which will give accurate information on a patient's ability to function in the community after formal rehabilitation program is ended.

RT-1-C-6 (67-1). DIADOCHOKINETIC RATERS OF NORMAL SPEAKERS. Martha T. Sarno.

To measure the diadochokinetic rate of movement of the speech musculature and its correlation with *speech intelligibility*.

RT-1-C-6 (67-3). VISUAL LEARNING AND MEMORY. Jeri Sechzer, Ph,D.

To extend and refine knowledge of neurological and psychological mechanisms involved in the *visual behavior*.

RT-1-C-6 (67-1). MUSCLE STRENGTH AND ELECTRICAL ACTIVITY, HEART RATE AND ENERGY COST DURING ISOMETRIC CONTRACTIONS IN DISABLED AND NON-DISABLED. Hans Stoboy, M.D.

To develop and utilize improved techniques for assessing the functional status of the *neuromuscular system* in order to permit better care and better conditioning of the patient to his environment.

RT-1-C-6 (67-1). WORKLOAD AND ENERGY EXPENDITURE DURING WHEELCHAIR DRIVING. Hans Stoboy, M.D.

To obtain precise information for work load and energy cost of *wheelchair* driving.

RT-1-C-7 (67-1). STUDIES ON VASOMOTOR AND SUDOMOTOR FUNCTION AND TEMPERATURE VARIATION IN SPINA BIFIDA. Chester A. Swinyard.

To develop improved understanding of the methods of achieving habilitation of children with *spina bifida*.

RT-1-C-6 (67-). CORRELATIVE KINESIOLOGY. Erwin Tichauer, ScD.

To establish a *motions inventory* of man with respect to individual body segments as well as the whole body as a system.

RT-1-C-6 (68-2). EFFECTS OF HYPOXIA AND ALTITUDE ON THE CIRCULATION. Edward Bergofsky, M.D.

To obtain some information on the manner in which *hypoxia* causes the pulmonary *circulation* to constrict and produce pulmonary hypertension and cor pulmonale in hypoxia patients.

RT-1 (68-3). MATERNAL-FETAL DRUG DISTRIBUTION AND METABOLISM WITH SPECIAL REFERENCE TO EXPERIMENTAL MYELOSCHISIS. Shakuntala Chaube.

To explore certain biochemical and pharmocological aspects of experimental myeloschisis which might give some clue to the etiology of this birth defect.

RT-1-C-7 (68-1). ALIENATION AND MEDICAL REHABILITATION. M. D. Diamond, Ph.D.

To measure the relationship between *alienation* and *patient motivation*.

RT-1 (68-1). STUDY OF CRITICAL INCIDENTS OF PATIENTS PROGRESS. M. D. Diamond, Ph.D.

To assess factors related to felt and actual progress in *physical therapy*.

RT-1-C-7 (68-3). STUDIES IN COGNITION AND REHABILITATION OF HEMIPLEGICS. Leonard Diller, Ph.D.

To provide useful, specific methods and tools to improve the vocational rehabilitation of *brain-damaged* individuals.

RT-1-C-7 (68-4). ROLE OF THE SUBFORNICAL ORGAN CEREBROSPINAL FLUID CONTROL. Maria D. Faro.

To investigate the role of the subfornical organ in *cerebrospinal fluid* production and elimination.

RT-1-C-7 (68-5). COAGULATION STUDIES IN ISCHEMIC HEART DISEASE AND ISCHEMIC CEREBROVASCULAR DISEASE. M. M. Gertler, M.D.

To obtain knowledge about the type of fats which increase coagulation in study of *ischemic disease*.

RT-1-C-7 (68-2). ELECTRODIAGNOSTIC STUDY OF PERIPHERAL NERVE FIBERS IN MULTIPLE SCLEROSIS PATIENTS. M. Ginzburg, M.D.

To resolve a controversy over changes in the peripheral nerves in *multiple sclerosis*.

RT-1-C-7 (68-1). AN ELECTRODIAGNOSTIC STUDY OF PERIPHERAL SENSORY NERVES IN POST POLIO QUADRIPLEGIC PATIENTS. M. Ginzburg, M.D.

To develop better diagnostic procedures for *quadriplegia* by improving the interpretation of electrodiagnostic findings in the laboratory.

RT-1-C-7 (68-1). ENERGY COST WHILE AMBULATING IN PLATFORM WALKER. M. Ginzburg, M.D.

To study the energy cost of ambulating in the *Platform Walker*.

RT-1-C-7 (68-2). MOTOR AND SENSORY CONDUCTION VELOCITY CHANGES IN THE UPPER EXTREMITIES OF DIABETICS WITHOUT SIGNS OF PERIPHERAL NEUROPATHY. M. Ginzburg, M.D.

To reveal the location and incidence of early *diabetic* neuropathies.

RT-1-C-7 (68-1). PILOT STUDY OF PULMONARY DIFFUSING CAPACITY IN RELATION TO WORK TOLERANCE IN PATIENTS WITH OBSTRUCTIVE PULMONARY DISEASES. Domingo M. Gomez-Gimeranez.

To obtain data on a great number of patients with different *obstructive pulmonary diseases*.

RT-1-C-7 (68-5). THE ELUCIDATION OF THE STRUCTURE OF THE PROTHOMBIN DERIVATIVES IN RELATIONSHIP TO BLOOD COAGULATION. Jacob Greenberg.

To construct approaches to solve the problems of blood clotting and preventive and therapeutic measures in coagulation diseases.

RT-1-C-7 (68-2). THE APPLICATION OR PROSTHETIC PRINCIPLES TO THE TREATMENT OF FRACTURES. Bruce B. Grynbaum.

To develop a new type of brace for the treatment of *fractures*.

RT-1-C-7 (68-3). RELATIONSHIP BETWEEN RESPIRATORY AND EMOTIONAL FUNCTION IN PATIENTS WITH EMPHYSEMA. Albert Haas.

To define by laboratory methods the respiratory correlates of emotional function in emphysema.

RT-1-C-7 (68-2). IMMUNOLOGICAL ASPECTS OF CLINICAL AND EXPERIMENTAL SPINA BIFIDA WITH MYELOMENINGOCELE. Benjamin B. Karmin.

To investigate evidence that immunological processes may be causally related to the occurence of *Spina Bifida* with myelomeningocele.

RT-1-C-7 (68-1). A PRELIMINARY STUDY OF THE NCEEA IN THE EVALUATION OF ACQUIRED APHASIA. Maxine Kenin.

To evaluate linguistic and nonlinguistic aspects of *aphasic* disability.

RT-1-C-7 (68-2). PERIPHERAL NEUROPATHIES IN THE PARALYZED UPPER EXTREMITY OF HEMIPLEGICS. M. Lee, M.D.

To detect peripheral *neuropathies* in the paralyzed upper extremity of *hemiplegics*, leading to more precise and individual treatment.

RT-1-C-7 (68-2). THE EFFECT OF METHAMPHETAMINE HYDROCHLORIDE ON THE RAT FETUS. Jae L. Littrell.

To study the teratogenic effect of *methamphetamine hydrochloride* and its behavioral influence on the rat mother and the fetuses.

RT-1-C-7 (68-5). SYMPATHETIC ACTIVITY AND THE METABOLISM OF CALCIUM AND PHOSPHATE IN SPINAL

CORD INJURED PATIENTS. N. E. Naftchi.
To evaluate sympathetic activity and the metabolism of calcium and phosphate in *spinal cord injured patients*.

RT-1-C-7 (68-5). LOCAL VS. SYSTEMIC FACTORS IN THE GENESIS OF PULMONARY OXYGEN TOXICITY. Theobald Reich.
To evaluate the role of local versus systemic factors in the genesis of *pulmonary oxygen toxicity*.

RT-1-C-7 (68-1). LATENT APHASIA. Elaine Sands.
To investigate the effect of left brain damage in *aphasic* and nonaphasic patients on selected areas of ability.

RT-1-C-7 (68-1). PATTERNS OF ORAL REPETITIVE MOVEMENTS. Martha T. Sarno.
To identify the breakdown of the oral production process and to determine the effects of impaired oral movements on the *intelligibility of speech*.

RT-1-C-7 (68-1). STUDIES OF RECOVERY FROM APHASIA. Martha T. Sarno.
To examine the course of language recovery of adult *aphasic* patients.

RT-1 (68-1). FOLLOW-UP STUDY OF THE SPECIALIZED PLACEMENT OF THE SEVERELY HANDICAPPED. Meyer S. Siegel.
To improve *placement* services and employment opportunities for the severely handicapped.

RT-1-C-7 (68-3). DEVELOPMENT OF ANIMAL MODEL OF HUMAN BIFIDA WITH MYELOMENINGOCELE. C. A. Swinyard, M.D.
To produce an appropriate animal model of *spina bifida* with myelomeningocele.

RT-1-C-7 (68-1). EVALUATION OF AUDITORY COMPREHENSION ABILITY IN BRAIN-DAMAGED ADULTS. Linda P. Swisher.
To determine patient's ability to understand *speech*.

RT-1-C-7 (68-1). CONSISTENCY OF HEARING THRESHOLD LEVEL IN APHASIA. Linda P. Swisher.
To increase the effectiveness of audiometric evaluation of *aphasic* patients.

RT-1-C-7 (68-1). PSYCHOLINGUISTIC ABILITIES OF HYDROCEPHALIC CHILDREN. Linda P. Swisher.
To evaluate the psycholinguistic abilities of *hydrocephalic* children.

RT-1-C-7. ON-GOING RESEARCH IN SELF-HELP DEVICES. Muriel E. Zimmerman.
Development, refinement, testing, or contacts for manufacturing *self-help devices*.

RT-2-C-5 (60-10). STUDIES ON METHODS OF CORRECTION OF CONTRACTURES OF CONNECTIVE TISSUE. F. J. Kottke, M.D.
To develop more effective methods of corrective tissue shortening.

RT-2-C-4 (61-10). EFFECT ON POSTURE OF OBTUNDING SENSORY STIMULI EVOKING TONIC NECK RELFEXES. F. J. Kottke, M.D.
To evaluate the change in *postural responses* of the torso and extremities resulting from stimulation of the tonic and asymmetrical neck *reflexes* before and after surgical section of the first, second, and third posterior cervical nerve roots.

RT-2 (61-1). STUDIES ON THE VASCULAR RESPONSES OF THE FEET OF NORMAL SUBJECTS TO DIHYDROGENATED ERGOT ALKALOIDS AND TOLAZOLINE UNDER CONTROLLED CONDITIONS. F. J. Kottke, M.D.
To study the *vascular response* of normal, fasting male subjects to dihydrogenated ergot derivatives and to tolazoline under controlled conditions.

RT-2-C-6 (61-10). SPEECH, LANGUAGE, AND HEARING OF THREE-YEAR OLD CHILDREN. F. M. Lassman, Ph.D.
To correlate *communication deficiencies* of 3-year-old children with medical history and the results of obstetric, pediatric, neurological, and psychological tests.

RT-2-C-2 (62-3). CHANGES IN THE STRUCTURE, INNERVATION AND ENZYME LOSS OF SKELETAL MUSCLE RESULTING FROM TREATMENT WITH TRAIMCINOLONE Essam Awad, M.D.
To determine the effects of treatment with traimcinolone on the structure function and innervation of *skeletal muscle*.

RT-2-C-1 (62-2). THE EFFECTIVENESS OF THE MYOTATIC REFLEX FACILITATION TO AUGMENT RATE OF INCREASE OF MUSCULAR STRENGTH DUE TO BRIEF MAXIMAL EXERCISE. Essam Awad, M.D.
To study the myotatic reflex facilitation in augmenting the rate of increase of *muscular strength*.

RT-2-C-2 (62-). GENERAL RESEARCH DEVELOPMENT. Paul M. Ellwood, Jr., M.D.
To identify the clinical and nonclinical *research material* that may enhance the field of rehabilitation.

RT-2-C-5 (62-10). FUNCTIONAL ORTHETICS FOR PATIENTS WITH NEUROMUSCULOSKELETAL DISABILITIES. F. J. Kottke, M.D.
To develop functional orthetic devices to improve the performance of patients with various *neuromusculoskeletal disabilities*.

RT-2-C-1 (62-1). A LONGITUDINAL STUDY OF THE HEARING OF CHILDREN WITH REPAIRED CLEFT PALATES. Frank M. Lassman, Ph.D.

To study the incidence and quality of *hearing impairment* among children with repaired *cleft palates*, over a 6-month period.

RT-2-C-1 (62-7). SPEECH, LANGUAGE AND HEARING OF PERSONS WITH SEIZURES BEFORE AND AFTER TEMPORAL LOBECTOMY. Frank Lassman, Ph.D.

To study the *speech, language,* and *hearing* of subjects with intractable focal seizures after *temporal lobectomy*.

RT-2 (62-). A STUDY OF CERTAIN ASPECTS OF INTELLECT AND PERSONALITY OF A GROUP OF FUNCTIONALLY DEAFENED INDIVIDUALS. Frank M. Lassman, Ph.D.

To study relationship of personality, intelligence, and objective *hearing impairment* to subjective hearing loss.

RT-2 (62-1). THE RELATIONSHIP OF ISOMETRIC GRIP STRENGTH TO ISOMETRIC GRIP ENDURANCE. Martin O. Mundale, B.S.

To determine the relationship between maximal *grip strength* and the proportional level of resistance at which *fatigue* occurs during a 10-minute period of work.

RT-2-C-3 (62-2). CERVICAL SPINE STUDIES. Herbert A. Schoening, M.D.

To delineate the causes and neurologic consequences of remodeling of bony structures in the cervical spine.

RT-2-C-2 (62-2). PROSTHETIC AND ADAPTIVE EQUIPMENT EXPERIMENTATION. Herbert A. Schoening, M.D.

To design, construct, or modify *prosthetic* and adaptive equipment that will improve patient functioning or improve treatment techniques.

RT-2-C-2 (62-6). STUDIES ON THE MORPHOLOGICAL CHANGES OF THE CERVICAL VERTEBRAE WITH AGE. Herbert A. Schoening, M.D.

To delineate the causes and neurological consequences of the remodeling of the *cervical vertebrae*.

RT-2-C-1 (62-1). SURVEY OF CHIEF EXECUTIVES OF REHABILITATION CENTERS. Robert D. Strathy, M.H.A.

To evaluate the training, qualifications, and experience of chief executives of *rehabilitation centers*.

RT-2-C-3 (63-1). DEVELOPMENT OF A HEADREST TO MAINTAIN THE CERVICAL SPINE IN THE NEUTRAL POSITION. John D. Allison, B.S.

To develop a headrest which maintains the *cervical spine* in the neutral position while the patient lies prone on a physical therapy plinth.

RT-2-C-3 (63-5). VALIDATION OF FACTORS PREDICTING VOCATIONAL SUCCESS AMONG PSYCHIATRIC PATIENTS. Peter F. Briggs, Ph.D.

To identify factors in testing and counseling which are of value in predicting vocational success of *psychiatric patients*.

RT-1-C-3 (63-4). WEIGHT JUDGMENT WITH THE DOMINANT AND NON-DOMINANT HANDS OF ELDERLY HEMIPLEGIC AND NON-HEMIPLEGIC PATIENTS. Jacob L. Halberstam, Ph.D.

The investigation of the formation of a *judgment scale* among elderly hemiplegic patients following a CVA and nonhemiplegic patients using the method of absolute judgment in psychophysics.

RT-2-C-6 (63-5). DEVELOPMENT OF NEUROMUSCULAR COORDINATION BY CHILDREN WITH BRAIN DAMAGE. D. Halpern, M.D.

To study the relationships between impairment of *motor skills* and intellectual function in children with *cerebral dysfunction*.

RT-2-C-2 (63-3). PATIENT PROGRESS FILMS. Trevor Kyle.

To demonstrate visually the progress of those who have received a course of treatment to improve their *rehabilitative potential*.

RT-2-C-2 (63-1). CERTAIN LANGUAGE MEASURES OF YOUNG ADULT DEAF. Frank Lassman, Ph.D.

To compare the performance of a group of young adult *deaf* persons on the *Peabody Vocabulary Test*.

RT-2-C-5 (63-5). STUDIES OF AUDITORY MEMORY SPAN. Frank Lassman, Ph.D.

To study sex differences and examiner variance in auditory memory span.

RT-2-C-5 (63-5). ELECTRODIAGNOSTIC STUDIES IN NEUROMUSCULAR DISEASES. F. E. Meelhuysen, M.D.

To study the electrophysiologic phenomena of nerve and muscle using *electrodiagnostic* techniques.

RT-2-C-5 (63-5). HISTOPATHOLOGIC STUDIES IN NEUROMUSCULAR DISEASE. F. E. Meelhuysen, M.D.

To study the *histopathology* of the neuromuscular apparatus associated with *neuromuscular diseases*.

RT-2-C-5 (63-10). QUANTITATIVE STUDIES OF MUSCULAR STRENGTH AND MUSCULAR WORK. M. O. Mundale, M.S.

To develop quantitative clinicial methods of evaluation of *muscular strength* and muscular *work*.

RT-2-C-2 (63-10). STUDIES OF UROLOGIC FUNCTION IN PATIENTS FOLLOWING SPINAL CORD INJURIES. M. Price.

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To study renal function, relationship between vesicle dysfunction and bladder infection, and to test improved medical management of patients with spinal cord lesions.

RT-2-C-2 (63-5). NUMERICAL RECORD OF PATIENT PREDICTION OF REHABILITATION SUCCESS. Herbert A. Schoening, M.D.

To objectively record *patient progress* and evaluate and improve the physician's ability to predict rehabilitation outcome.

RT-2-C-2 (63-1). SERUM AND MUSCLE ENZYME STUDIES. Kenneth Swaiman, M.D.

Enzyme activity patterns of serum and muscle samples are being studied to delineate the various muscular and neurological diseases.

RT-2-C-4 (64-4). COMPARISON OF FOOT DIMENSIONS TO SHOE DIMENSIONS IN CHILDREN, AGES ONE TO FIVE YEARS. John D. Allison, R.P.T.

To study the fit of shoes to the feet of children as support for the development of normal *foot posture*.

RT-2-C-2 (64-4). THE RELATIONSHIP OF VARIOUS FOOT DIMENSIONS TO SHOE DIMENSIONS OF CHILDREN BETWEEN THE AGES OF TEN MONTHS AND FIVE YEARS. John D. Allison, R.P.T.

To determine how well new shoes are fitted and in what areas the greatest discrepancies between *foot dimensions* and shoe dimensions are found.

RT-2-C-3 (64-3). PUBLIC HEALTH NURSING STUDY OF THE MAINTENANCE OF REHABILITATION SKILLS. Eleanor M. Anderson, R.N.

To study the factors which influence the maintenance of the rehabilitated status by *paraplegic patients* after they have returned to their homes from the Rehabilitation Center.

RT-2-C-2 (64-). STUDY OF THE MAINTENANCE OF PHYSICAL PERFORMANCE BY HEMIPLEGIC PATIENTS FOLLOWING DISCHARGE FROM THE HOSPITAL. Eleanor Anderson, R.N.

To determine the maintenance of the capacity for self-care and independence following an intensive rehabilitation program by patients with *hemiplegia*.

RT-2-C-6 (64-5). STROKE PREDICTORS IN CEREBROVASCULAR DISEASE. T. P. Anderson, M.D.

To develop and validate a multivariate set of improvements following treatment of patients with *cerebrovascular disease* and resulting *hemiplegia* in a rehabilitation setting.

RT-2-C-5 (64-1). ATTITUDINAL DISPOSITIONS TOWARD DISABILITY AND REHABILITATION OUTCOME IN HEMIPLEGIA. N. Bourestom, Ph.D.

To measure *attitudes of the patient*, his family and the patient's rehabilitation therapists to determine their interrelationships to each other and to the patient's progress.

RT-2-C-3 (64-1). PERSONALITY CHARACTERISTICS OF THREE DISABILITY GROUPS. Norman Bourestom, Ph.D.

To determine whether patients with rheumatoid arthritis, multiple sclerosis, and traumatic spinal cord injuries differ in terms of *personality characteristics* as measured by the *Minnesota Multiphasic Personality Inventory*.

RT-2-C-4 (64-4). STROKE STUDIES. Norman Bourestom, Ph.D.

This study is designed to investigate a wide range of characteristics of individuals with cerebrovascular disease with respect to the predictive power of these characteristics.

RT-2-C-5 (64-2). ALTERATIONS IN CARDIOVASCULAR CONTROL IN HIGH SPINAL MYELOMALACIA. T. M. Cole, M.D.

To study the *cardiovascular* responses to stress in *quadriplegic patients* and normal volunteers continuously throughout the day.

RT-2-C-4 (64-4). RESEARCH ON AUTONOMIC HYPERREFLEXIA. T. M. Cole, M.D.

To study continuously the *cardiovascular* responses to stress of patients with cervical *spinal cord injury*.

RT-2-C-3 (64-1). THE USE OF THE ERGOMETER IN THE EVALUATION AND TRAINING OF THE AMPUTEE SUFFERING FROM PERIPHERAL VASCULAR DISEASE. Michael M. Dacso, M.D.

To evaluate the Ergometer as an aid in the improvement and maintenance of *peripheral circulation* in the remaining leg.

RT-2-C-3 (64-). CURRICULUM PLANNING. Douglas A. Fenderson, Ph.D.

Evaluate the teaching of medical rehabilitation in American *medical schools*.

RT-2-C-4 (64-1). A COMPARATIVE STUDY OF THE EFFECTIVENESS OF SPEECH THERAPY IN APHASIA. Frederick Greenberg, Ph.D.

A controlled study of the value of *speech therapy* in *aphasia*.

RT-2-C-3 (64-3). A STUDY OF SITTING PRESSURE. R. J. Houle, M.D.

To evaluate effectiveness of commercially available wheel chair extenders which allow the chair to be tilted back to relieve *sitting pressure*.

RT-2-C-6 (64-5). ALTERATION OF EXCESSIVE MUSCLE TONE BY INTRAMUSCULAR NEUROLYSIS WITH DILUTE PHENOL SOLUTIONS. D. Halpern, M.D.

To study the feasibility and usefulness of achieving relaxation of *hypertonic muscles* by

injecting dilute solutions of phenol into intramuscular motor points.

RT-2-C-6 (64-10). STUDIES ON THE POSTURAL ORIENTATION IN CHILDREN WITH CENTRAL SYSTEM DISEASE. D. Halpern, M.D.
To study the influence on the development of balance and *posture*.

RT-2-C-4 (64-2). SYSTEMS ANALYSIS AND DESIGN FOR REHABILITATION HOSPITALS.
James Krautkremer, B.G.E.
To define and implement a complete *information system* for a *rehabilitation hospital*.

RT-2 (64-4). EVALUATION OF MANUAL MOTOR FUNCTIONING. A. Tellegen, Ph.D.
To develop a test battery for the assessment of subtle variations of *motor functioning*.

RT-2-C-5 (64-5). STUDY OF THE EFFECT OF INDIRECT HEATING ON BLOOD FLOW THROUGH THE CALF AND THE FOOT. H. C. Weesman, M.S.
To study the effect of *indirect heating* on the change in circulation to an area primarily muscular (calf), and to an area primarily cutaneous (foot), in the presence of normal or abnormal circulation.

RT-2-C-5 (65-). INCIDENCE OF PRONATED FEET IN ENTERING STUDENTS AT THE UNIVERSITY OF MINNESOTA. J. D. Allison, M.S.
To determine the incidence of *pronated feet* in entering students at the University of Minnesota.

RT-2-C-2 (64-6). STUDIES ON THE POSTURAL ATTITUDES OF CHILDREN WITH DAMAGED CENTRAL NERVOUS SYSTEMS. D. Halpern, M.D.
To study the influence of sensory function in the development of a balanced *posture*.

RT-2-C-6 (64-4). STUDY OF PRESSURE RELIEVING DEVICES FOR SITTING POSITION. R. J. Houle, M.D.
To evaluate the effectiveness of various kinds of devices in reducing and redistributing *sitting pressure*.

RT-2-C-3 (64-). A STUDY OF REHABILITATION DECISION-MAKING PROCEDURES USED BY COUNTY WELFARE CASEWORKERS. Dwight Kauppi, B.A.
Evaluate the use of *rehabilitation team methods* in dealing with *public welfare* clients.

RT-2-C-3 (64-). STUDIES ON THE EFFECT OF OXYGEN TENSION ON THE RATE OF HEALING OF TISSUES. F. J. Kottke, M.D.
To study the influence of a high concentration of oxygen within the limits of atmospheric pressure on the *healing of* traumatized or infected *tissue*.

RT-2-C-3 (65-2). FOLLOW-UP STUDY OF TWO SELECTED GROUPS OF CEREBRALVASCULAR ACCIDENT PATIENTS AFTER INTENSIVE REHABILITATION. Eleanor M. Anderson, R.N.
To evaluate *hemiplegic* patients in their homes following rehabilitation to observe maintenance of or change in ability for self-care.

RT-2 (65-10). PROSTHETIC AND ADAPTIVE EQUIPMENT DEVELOPMENT. T. P. Anderson.
To design, construct or modify devices which can be used to substitute for or to facilitate functions.

RT-2-C-4 (65-3). INDUCED EMISSION OF SPERM UTILIZING ELECTRICAL STIMULATION OF THE VAS DEFERENS. A. Bensman, M.D.
To find a simple, nontraumatic method of obtaining sperm emission in male patients with *spinal cord injury*.

RT-2-C-5 (65-2). AN EXTENSION OF THE BODY BOUNDARY CONCEPT. N. Bourestom, Ph.D.
To study the relationships between a patient's *body image* and his symptomology.

RT-2-C-5 (65-5). ASSESSMENT OF VISUAL PERCEPTUAL LIMITATIONS IN YOUNG CHILDREN. P. F. Briggs, Ph.D.
To test the hypothesis that children who are deficient in their *visual perception* of forms have atypical exploratory movements of the eyes during observation of forms.

RT-2-C-6 (65-3). DEVELOPMENT OF MORE EFFECTIVE TEACHING METHODS FOR CHILDREN WITH MULTIPLE SENSORY HANDICAPS. P. F. Briggs, Ph.D.
To study the *methods of teaching* children with *multiple sensory impairments* whose potential for learning has not been tapped by the presently available instructional methods.

RT-2-C-5 (65-3). STUDIES OF COGNITIVE, MOTOR AND MOTIVATIONAL FACTORS IN REHABILITATION OF ADULTS AND CHILDREN--A. P. F. Briggs, Ph.D.
To develop test scales to measure *cognitive functioning* that present stimulus materials through selected sensory capacities.

RT-2-C-6 (65-3). STUDIES OF COGNITIVE, MOTOR, AND MOTIVATIONAL FACTORS IN REHABILITATION OF ADULTS AND CHILDREN--B. P. F. Briggs, Ph.D.
To develop an index of tests which minimize the complexity of the motor response in order to attain measures of *cognitive functioning* when motor response is inhibited.

RT-2-C-5 (65-3). STUDIES OF COGNITIVE, MOTOR AND MOTIVATIONAL FACTORS IN REHABILITATION OF ADULTS AND CHILDREN--B. TESTS OF RUDIMENTARY ASPECTS OF COGNITIVE CAPACITY INVOLVING PRE-TRAINING REGIMES. P. F. Briggs, Ph.D.

To provide estimates of *cognitive capacity* through the use of *learning tasks*.

RT-2-C-6 (65-3). STUDIES OF COGNITIVE, MOTOR, AND MOTIVATIONAL FACTORS IN REHABILITATION OF ADULTS AND CHILDREN--B. P. Briggs, Ph.D.

To develop a test that can be administered to the preschool child for the detection of imprecision in the *perception* of visual forms.

RT-2-C-5 (65-3). ABNORMAL HEMOGLOBIN OXYGEN DISSOCIATION: A POSSIBLE CAUSE OF MYOCARDIAL ISCHEMIA AND NECROSIS. R. S. Eliott, M.D.

To characterize the *hemoglobin oxygen* dissociation curves in individuals with cardiovascular and other related diseases.

RT-2-C-4 (65-3). THE ISOLATION AND CHARACTERIZATION OF HEART, SKELETAL AND SMOOTH MUSCLE PROTEINS IN CONDITION OF HEALTH AND DISEASE. R. S. Eliott, M.D.

To isolate and define the *muscle protein* (especially myoglobin and actomysin) under conditions of health and disease.

RT-2-C-5 (65-1). A STUDY OF THE VOCATIONAL REHABILITATION POTENTIAL OF APPLICANTS FOR SOCIAL SECURITY DISABILITY BENEFITS, WHOSE CLAIMS HAVE BEEN DENIED. Douglas A. Fenderson.

This was an exploratory study of the association of medical, personal, social, and psychological variables, with an extent of *employment criterion*.

RT-2-C-5 (65-3). STUDY OF BLOOD FLOW THROUGH THE AMPUTATION STUMP AND THE CONTRALATERAL EXTREMITY SEGMENT OF THE LOWER EXTREMITIES OF AMPUTEES. Glenn Gullickson, Jr., Ph.D.

To study the *circulation of the stump* and the circulation through the contralateral extremity at the same level as the site of amputation.

RT-2-C-6 (65-5). FOLLOW-UP CLINIC FOR PARAPLEGIA AND QUADRIPLEGIA. R. P. Hallin, M.D.

To study and record the successful methods of adaptation by *paraplegic and quadriplegic* patients in regard to self-care, transportation, and employment.

RT-2-C-5 (65-5). PROSTHETIC AND ADAPTIVE EQUIPMENT DEVELOPMENT. R. P. Hallin, M.D.

To design, construct, or modify *prosthetic* and assistive devices which can be used to substitute for or to facilitate functions.

RT-2-C-5 (65-9). STUDIES OF SELECTIVE INTERRUPTION OF SMALL MYELINATED NERVE FIBERS. D. Halpern, M.D.

To study the effects of interrupted transmission through motor nerves of muscle on structure and function of *nerve fiber*.

RT-2-C-5 (65-5). TRAINING PROGRAM FOR UPPER EXTREMITY ACTIVITIES IN ATHETOID PATIENTS. D. Halpern, M.D.

To develop and evaluate in patients with *athetoid cerebral palsy* a method for training of manual manipulative activities.

RT-2-C-4 (65-). MEDICAL AND ECONOMIC BEHAVIOR DURING THE MEANS TEST GAP. R. H. Holmberg, M.H.A.

To explore the interactions of *financial factors* and medical factors in the course of illness.

RT-2-C-6 (65-5). REHABILITATION CRITERIA RESEARCH. R. H. Holmberg, M.H.A.

To develop generalizable means for measuring the product of *rehabilitation*.

RT-2-C-5 (65-2). HEALTH SYSTEMS DYNAMICS. R. H. Holmberg, M.H.A.

To investigate the systems society utilizes to deliver care and treatment to the *disabled*.

RT-2-C-6 (65-5). REHABILITATION ECOLOGY. R. H. Holmberg, M.H.A.

To investigate a wide range of social, cultural, and economic *aspects of disability* and rehabilitation.

RT-2-C-4 (65-). EXPERIMENTAL PROJECT IN THE VOCATIONAL PLACEMENT OF THE INDIVIDUAL WITH SEVERE SPINAL CORD INJURY. M. Howard, M.A.

To explore, expand and evaluate the number of *vocational opportunities* available to individuals with severe *spinal cord injuries*.

RT-2-C-5 (65-5). EVALUATION OF TOTAL REST TREATMENT IN JUVENILE RHEUMATOID ARTHRITIS. F. J. Kottke, M.D.

To study the effect on the disease process and its complications of total rest treatment in *juvenile rheumatoid arthritis*.

RT-2-C-3 (65-). EVALUATION OF WORKING CAPACITY OF PATIENTS AFTER MYOCARDIAL INFARCTION. F. J. Kottke, M.D.

To study the response to the standardized five-stage test of cardiac performance of patients who have suffered *myocardial infarction*.

RT-2-C-4 (65-). THE ABILITY OF NORMAL SUBJECTS AND OF SEIZURE PATIENTS AFTER TEMPORAL LOBECTOMY TO LOCALIZE A CLICK SOUND. F. M. Lassman, Ph.D.

To study differences in the ability of normal and *brain-injured* subjects to localize a click sound.

RT-2-C-4 (65-). RELATIONSHIP OF LIPREADING ABILITY TO AUDITORY MEMORY SPAN AND GRADE POINT AVERAGE IN NORMAL HEARING COLLEGE STUDENTS. F. M. Lassman, Ph.D.

To study the relationship of *lipreading ability to auditory recall* and academic achievement.

RT-2-C-6 (65-3). SELECTED SOCIAL AND VOCATIONAL CHARACTERISTICS OF AN ADULT DEAF POPULATION. F. M. Lassman, Ph.D.

To study selected *social and vocational characteristics* of an *adult deaf* population by means of sign language interviews.

RT-2-C-6 (65-). SPEECH, LANGUAGE, AND HEARING OF EIGHT-YEAR-OLD CHILDREN. F. M. Lassman, Ph.D.

To help develop an instrument to measure the *speech, language,* and *hearing* of 8-year-old children.

RT-2-C-6 (65-9). STUDIES OF SELECTIVE INTERRUPTION OF SMALL MYELINATED NERVE FIBERS. F. E. Meelhuysen, M.D.

To study methods of blocking or destroying unmyelinated and small *nerve fibers* by chemical means.

RT-2-C-4 (65-2). DEVELOPMENT OF MORE EFFECTIVE TEACHING METHODS FOR CHILDREN WITH MULTIPLE SENSORY IMPAIRMENTS. L. Muller-Willis, Ph.D.

To study methods for the teaching of children with *multiple sensory impairments.*

RT-2-C-4(65-3). EVALUATION OF REHABILITATION EQUIPMENT. J. Plass, M.N.

To provide structural and clinical evaluation of *rehabilitation products.*

RT-2-C-4 (65-5). FOLLOW-UP CLINIC FOR PARAPLEGIA AND QUADRIPLEGIA. H. A. Schoening, M.D.

To study and record successful methods of *adaption.*

RT-2-C-3 (65-2). STUDY OF THE RELATIONSHIP BETWEEN FULL AND TRUNCATED K AND SI SCALES. Auke Tellegen, Ph.D.

To provide estimates of the K and SI scales when the short form of the *Minnesota Multiphasic Personality Inventory* is given.

RT-2-C-4 (65-10). EVALUATION OF REHABILITATION EQUIPMENT. E. Wenmark, M.N.A.

To provide structural and clinical evaluation of *rehabilitation products.*

RT-2-C-6 (66-3). STUDY OF A DEVICE TO SUPPORT UNSTABLE FEET IN CHILDREN. J. D. Allison, M.S.

To develop materials and design for a device to maintain the *foot* in the orthostatic position.

RT-2-C-3 (66-3). REHABILITATION PREDICTORS IN COMPLETED STROKE. T. P. Anderson.

To develop a valid means of predicting the improvement which can be realized by *rehabilitative training* of a selected group of patients.

RT-2-C-6 (66-10). EVALUATION AND REHABILITATION OF CHILDREN WITH MENINGOMYELOCELE DEFECTS. A. Bensman, M.D.

To assess the effectiveness of early and aggressive treatment of the *meningomyelocele* disease.

RT-2-C-5 (66-). CONCURRENT SCHEDULES OF REINFORCEMENT, SOCIAL REINFORCEMENT, AND DEPENDENT BEHAVIOR AMONG FOUR-YEAR-OLD CHILDREN. P. F. Briggs, Ph.D.

To test the predictive theory offered by Gavalas and Briggs in which they suggest an explanation for *dependency* and competence in terms of concurrent *schedules of reinforcement.*

RT-2 (66-1). A SEVEN-YEAR FOLLOW-UP OF THE VOCATIONAL SUCCESS OF THE 1730 PSYCHIATRIC PATIENTS (DISCHARGED INTO HENNEPIN COUNTY, FISCAL YEAR 1959-1960). P. F. Briggs, Ph.D.

To understand the problems and pitfalls in the rehabilitation of *psychiatric patients.*

RT-2-C-5 (66-3). PRELIMINARY INQUIRY INTO THE USEFULNESS OF PERSONALITY TESTING IN TRAFFIC ACCIDENT PREDICTION. P. F. Briggs, Ph.D.

To determine the power of 9th grade MMPI Test results, academic records in school, social adjustment, and delinquency records as *predictors of highway offenses* and accidents.

RT-2-C-5 (66-4). RESEARCH ON SCALE TO MEASURE PHYSICIAN ATTITUDES AND SKILLS TOWARD PATIENT REHABILITATION AND ON TECHNIQUES FOR ATTITUDE MODIFICATION. P. F. Briggs, Ph.D.

To explore methods by which the clinical skill, interest, and involvement of *medical students* with regard to chronic illness and rehabilitation medicine can be measured and encouraged.

RT-2-C-5 (66-1). A STUDY OF HISTORICAL FACTORS DESCRIBED IN THE STANDARD SOCIAL HISTORY THROUGH THE DEVELOPMENT OF NORMATIVE MATERIAL AND REFERENCE GROUPS. P. F. Briggs, Ph.D.

To study the structure of the *standard social history* by the use of factor analysis and to develop factor scores and norms.

RT-2-C-5 (66-). STUDY OF THE RELATIONSHIP OF UNDIFFERENTIATED HANDEDNESS TO PERCEPTUAL DEVELOPMENT IN CHILDREN WITH READING PROBLEMS. P. F. Briggs, Ph.D.

To test the absence of the functional hand by several theories of *perceptual development.*

RT-2-C-5 (66-2). EVALUATION OF TREATMENT OF DECUBITAL ULCER. S. N. Dinsdale, M.D.

To evaluate various forms of therapy for *decubital ulcers* in controlled experiments on animals.

RT-2-C-5 (66-3). STUDY OF THE PATHOGENESIS OF DECUBITAL ULCERS. S. M. Dinsdale, M.D.

To evaluate the pathogenesis of *decubital ulcers* in controlled experiments on swine.

RT-2 (66-10). EVALUATION AND REHABILITATION OF CHILDREN WITH MENINGOMYCELOCELE DEFECTS. D. Halpern, M.D.

To determine the medical rehabilitative approach necessary and to assess the effectiveness of early aggressive treatment of all aspects of *meningomyelocele*.

RT-2-C-5 (66-1). SYSTEMS ANALYSIS AND DESIGN FOR REHABILITATION HOSPITALS. R. H. Holmberg, M.H.A.

To develop an efficient *system for scheduling patients* and *processing information* to reduce cost of rehabilitation services.

RT-2-C-5 (66-). RESEARCH ON THE OPTIMAL DESIGN OF MEDICAL REHABILITATION FACILITIES. Kenneth M. Kelley, M.H.A.

To investigate the functional relationships of services provided *rehabilitation patients* both on an inpatient and ambulatory basis in medical *rehabilitation facilities*.

RT-2-C-5 (66-). CONTINUING EDUCATION OF GENERAL PHYSICIANS IN REHABILITATION MEDICINE. M. E. Knapp.

To carry on and test the effects of a postgraduate education in physical medicine and rehabilitation on the attitudes and participation of local physicians.

RT-2-C-5 (66-3). DEVELOPMENT OF THE INSTRUCTIONAL MATERIAL IN THE CARE OF POLIOMYELITIS. F. J. Kottke, M.D.

To prepare useful current instructional material for the care of *poliomyelitis*.

RT-2-C-5 (66-5). HEARING, LANGUAGE, AND SPEECH IN LOWER SOCIO-ECONOMIC POPULATION OF CHILDREN. F. M. Lassman, Ph.D.

To study the incidence of *hearing*, *language*, and *speech* disorders in lower socioeconomic groups of children.

RT-2-C-6 (66-5). STUDIES OF AUDITORY MEMORY SPAN OF CHILDREN. F. M. Lassman, Ph.D.

To study children's short-term *memory* for digits and syllables presented acoustically.

RT-2-C-5 (66-2). A FOLLOW-UP INVESTIGATION OF PATIENTS REFERRED FOR VOCATIONAL SERVICES THROUGH PHYSICAL MEDICINE AND REHABILITATION, UNIVERSITY HOSPITALS. R. E. Matthews, Ph.D.

To study the value of *vocational counseling* through the evaluation of postdischarge status by questionnaire.

RT-2-C-5 (66-7). MASS SPECTROMETRY IN BIOMEDICAL RESEARCH. M. A. Mosharrafa, Ph.D.

To develop a quadrupole *mass spectrometer* and associated electronic circuitry for breath-by-breath analyses of respiratory gases.

RT-2-C-5 (66-5). DEVELOPMENT OF AUTOMATIC DATA COMPUTATION. R. P. Patterson, M.S.E.E.

To develop a *computer system* to automatically compute cardiac functions for a work evaluation program.

RT-2-C-5 (66-2). DEVELOPMENT OF AN INVENTORY OF AVAILABLE TEST MATERIALS. A. H. Roberts, Ph.D.

To develop an inventory of available *test materials*.

RT-2-C-6 (66-2). HEALTH SYSTEMS DYNAMICS. Joseph Shechtman, B.A.

To examine the present *health system* as it relates to the needs of traumatic spinal cord injured persons.

RT-2-C-5 (66-2). AUTO INSTRUCTIONAL PROGRAM IN SELF-CARE ACTIVITIES FOR PARAPLEGIC PATIENTS. N. E. Silberberg, Ph.D.

This is a pilot project to determine if a *programmed instructional format* utilizing modern audio-visual techniques will be more effective in instructing paraplegic patients in *self-care activities* than traditional methods of instruction.

RT-2-C-5 (66-). PSYCHOLOGICAL REACTION TO THE CRISIS OF PHYSICAL DISABILITY. G. Taylor, Ph.D.

To evaluate immediate *psychological reactions* of a group of people who have experienced a sudden *physical disability*.

RT-2-C-6 (67-1). NURSE CLINICIAN PROGRAM. N. C. Bourestom, Ph.D.

To relieve *nurses* aides and orderlies of administrative responsibilities so they devote more time and attention to patient care and treatment.

RT-2 (67-2). THE DEVELOPMENT OF A TEST TO ASSESS DEFICITS IN PERCEPTUAL ORGANIZATION IN YOUNG CHILDREN. P. F. Briggs, Ph.D.

To improve the "VIZ" test as an instrument of evaluation of *visual-perceptual function* and to strengthen its item content.

RT-2-C-6 (67-4). MEDICAL SCHOOL STUDENT DISCUSSION PROJECT. P. F. Briggs, Ph.D.

To observe, explore, and analyze changes in *medical students' attitudes*.

RT-2-C-6 (67-3). RESEARCH SCALE TO MEASURE PHYSICIAN ATTITUDES AND SKILLS TOWARD PATIENT REHABILITATION AND ON TECHNIQUES FOR ATTITUDE MODIFICATION. P. F. Briggs, Ph.D.

To explore methods by which clinical skill, interest, and involvement of *medical students* can be measured.

RT-2 (67-2). STUDY OF THE MECHANICAL EFFECTS OF LOW FREQUENCY ULTRASOUND ON CONNECTIVE TISSUE. T. M. Cole, M.D.

To study the mechanical effects of low frequency *ultrasound* on *connective tissue*.

RT-2-C-5 (67-1). RETRAINING OF GAIT OF PARKINSON PATIENTS. S. Dinsdale, M.D.

To study visual and auditory conditioning in changing the *gait* patterns of *Parkinson patients*.

RT-2-C-6 (67-2). EVALUATION OF CARDIAC OUTPUT, CARDIAC WORK AND METABOLISM DURING GRADED PHYSICAL EXCERCISE OF PATIENTS CONVALESCING FROM MYOCARDIAL INFARCTION. S. A. Hershfield, M.D.

To study the effects of the standardized activities and the reciprocal activities of the upper and lower extremities in the upright position in *myocardial infarction*.

RT-2 (67-2). ESTABLISHING NORMS FOR STRENGTH IN COORDINATION TESTS FOR USE WITH A DISABLED POPULATION. Majorie Kellor.

To establish norms for several coordination *tests:* the dynamometer, pinch meter, peg test, and beaded peg test before and after occupational therapy.

RT-2-C-6 (67-3). A DESCRIPTIVE ANALYSIS OF THE THREE HEALTH OCCUPATIONS IN A REHABILITATION CENTER. M. B. Killen, M.S.

To identify as well as differentiate the components and levels of skill and knowledge shared by occupational *therapists*, physical therapists, and rehabilitation therapists.

RT-2-C-6 (67-1). BLOOD FLOW CHANGES INTO THE DOG LABYRINTHINE ARTERIES. W. G. Kubicek, Ph.D.

To study the effect of *betahistine hydrochloride* on *blood flow* through the labyrinthine arteries.

RT-2-C-6 (67-5). STUDIES OF THE EFFECTS OF BETAHISTINE HEL ON INTRACRANIAL AND EXTRACRANIAL BLOOD FLOW. W. G. Kubicek, Ph.D.

To study the effects of *betahistine hel*, histamine phosphate, and nicotinic acid on intracranial and extracranial *blood flow*.

RT-2-C-6 (67-1). AMPLITUDE OF AUDITORY EVOKED VERTEX POTENTIALS AS A FUNCTION OF INTERSIGNAL INTERVAL DURING SLOW REPETITIVE STIMULATION. F. M. Lassman, Ph.D.

To study changes in the strength of the *auditory evoked vertex response* as the size of the interval between signals is varied.

RT-2-C-6 (67-1). EFFECTS OF VARIABLE-INTERVAL AND FIXED-INTERVAL SIGNAL SCHEDULES ON THE AUDITORY EVOKED CORTICAL POTENTIAL. F. M. Lassman, Ph.D.

To investigate differences in parameters of the *evoked cortical potential* as a function of two different schedules of acoustic signal presentation.

RT-2-C-6 (67-1). INPUT-OUTPUT FUNCTIONS BY SIGNAL FREQUENCY OF THE AUDITORY EVOKED VERTEX RESPONSE. F. M. Lassman, Ph.D.

To study changes in *evoked vertex response* as an acoustic input signal is changed in frequency.

RT-2-C-6 (67-1). MOBILITY PRIORITY PROGRAM. Loren Leslie, M.D.

To investigate and determine the basic rehabilitation needs of adult *hemiplegic* patients.

RT-2-C-2 (67-). RESEARCH IN ELECTRODIAGNOSIS. F. E. Meelhuysen, M.D.

To investigate the practical value of qualitative and quantitative electromyography for routine clinical *electrodiagnosis*.

RT-2-C-5 (67-3). THE DEVELOPMENT OF A TWO-HANDED COORDINATION TEST. A. H. Roberts, Ph.D.

To develop a *two-handed coordination test* and determine its reliability and validity.

RT-2-C-6 (67-1). MODIFYING PERSISTENT UNDESIRABLE BEHAVIOR IN A MEDICAL SETTING. A. H. Roberts, Ph.D.

To demonstrate the applicability of *behavior modification techniques* to seriously disabled patients in a nonpsychiatric setting with nonpsychiatric trained and oriented staff.

RT-2-C-6 (67-2). RELATIONSHIP OF WAIS FACTOR SCORES TO BEHAVIOR IN BRAIN DAMAGED SUBJECTS. A. H. Roberts, Ph.D.

To determine the reliability and validity of *WAIS factor scores* in predicting behavior of *brain damaged patients*.

RT-2-C-6 (67-1). STUDIES ON PELVIC STABILIZATION DURING CONTRACTION OF THE KNEE EXTENSORS. H. A. Schoening, M.D.

To determine maximal isometric force of the knee extensors, electromyographic activity in the muscles *stabilizing the pelvis*, and effect of the pelvifemoral angle.

RT-2-C-5 (67-). VISUAL PERCEPTION TRAINING FOR LEFT HEMIPLEGICS. N. E. Silberberg, Ph.D.

To determine if instruction in *visual perceptual skills* will improve the *hemiplegic* patient's functioning in activities of everyday living and in performing intellectual tasks.

RT-2 (68-). STUDY OF THE CHANGES IN THE STRUCTURE, ULTRASTRUCTURE, INNERVATION, AND ENZYMES OF SKELETAL MUSCLE IN NEUROMUSCULAR DISEASES. E. A. Awad, M.D.

To study histologic changes and changes in enzyme activity in disabling *neuromuscular diseases*.

RT-2-C-7 (68-1). REHABILITATION CENTER CONSUMER FEEDBACK SYSTEM. J. E. Billings.

To provide a tool for improving *patient care* at the Kenny Rehabilitation Institute.

RT-2-C-6 (68-1). PREPARATION OF THE MOTOR BATTERY FOR USE AS A CLINICAL ASSESSMENT TECHNIQUE. P. F. Briggs, Ph.D.

To prepare normative display graphs to report the *Motor Accuracy and Speed Test* (MAST) results of clinical patients.

RT-2-C-6 (68-1). STUDY OF SEVEN HISTORICAL FACTORS IN SAMPLES OF YOUNG MALE AND FEMALE DELINQUENTS USING THE M-B HISTORY QUESTIONNAIRE. P. F. Briggs, Ph.D.

To understand the characteristics of the history and background of young (12-15) boys and girls who have been committed to institutions because of their *delinquent behavior*.

RT-2-C-6 (68-2). AN INVESTIGATION OF THE RELATIONSHIP BETWEEN CEREBRAL DAMAGE AND TEMPORAL PERCEPTION IN A HEMIPLEGIC POPULATION. Sondra Burns.

To attempt to assess the effects of lateralized *brain injury* (induced by cerebrovascular accident) on temporal judgment.

RT-2-C-6 (68-). EFFECTS OF CONTROLLED ALLOXAN DIABETES ON FLUID BALANCE IN RATS WITH RELATION TO T-MAZE LEARNING. S. J. Clayson, M.S.

To further study T-maze learning in *alloxan diabetic* insulin-treated rats, and to investigate the fluid balance of normal and of alloxan diabetic insulin treated animals.

RT-2 (68-2). THE WATERBED TREATMENT FOR DECUBITUS ULCERS. T. M. Cole, M.D.

To evaluate use of the *waterbed* in the treatment of *decubitus ulcers*.

RT-2-C-6 (68-3). EVALUATION OF THE CARDIAC OUTPUT AND METABOLISM DURING GRADED PHYSICAL EXERCISE AND VALIDATION OF THE IMPEDANCE METHOD FOR THE ASSESSMENT OF CARDIAC OUTPUT. R. J. Houle.

To establish the reliability of the *impedance cardiometer*.

RT-2-C-6 (68-3). STUDY OF PRESSURE RELIEVING DEVICES FOR SITTING POSITION. R. J. Houle.

To evaluate the use of thermoplastic polymer pads in *pressure-relieving devices* and to evaluate an individually fitted alternating pressure chair seat.

RT-2-C-6 (68-3). RESEARCH ON OSTEOPOROSIS IN PATIENTS WITH METABOLIC DISTURBANCES DUE TO LIMITATION OF ACTIVITY OR INFLAMMATORY DISEASE. F. J. Kottke, M.D.

To study the factors contributing to *osteoporosis* in conditions with or without inflammatory disease or occurring in patients with severe musculoskeletal impairment.

RT-2-C-6 (68-1). AMPLITUDE OF AUDITORY EVOKED SCALP POTENTIALS AS A FUNCTION OF CO-VARYING INTERSIGNAL INTERVAL AND INTENSITY. F. M. Lassman, Ph.D.

To study the *auditory evoked response* from the scalp as a function of the interaction between signal intensity and intersignal interval.

RT-2-C-6 (68-1). EFFECT OF NATURAL SLEEP AND SEDATED SLEEP UPON THE AUDITORY EVOKED POTENTIAL. F. M. Lassman, Ph.D.

To study the nature of the *auditory evoked potential* during natural sleep and chloral-hydrate sleep conditions.

RT-2-C-6 (68-2). THE COMPARATIVE INCIDENCE AND QUALITY OF ECHOIC RESPONSE BEHAVIOR IN TWO CULTURAL SAMPLES. F. M. Lassman, Ph.D.

To test the hypothesis that 3-year-old children in Oregon and Minnesota do not differ significantly in the quality and amount of *echoic behavior triggered* by a standard stimulus.

RT-2-C-6 (68-1). THE EFFECT OF THE INPUT-SIGNAL RISE AND DECAY TIME ON THE EVOKED VERTEX RESPONSE. F. M. Lassman, Ph.D.

To study whether *EVR* latency is related to increased signal sensation level or to changes in the time a constant intensity is reached on the rise ramp of the signal.

RT-2 (68-1). FURTHER DEVELOPMENT OF THE KENNY SELF-CARE EVALUATION. L. R. Leslie.

To improve the objective method of evaluating a patient's *self-care status*.

RT-2-C-6 (68-1). PROCESS VARIABLES IN STUDENT-TUTOR INTERACTION AFFECTING SUCCESSFUL ACADEMIC OUTCOME. M. Malof.

To study the factors which contribute to the *academic success* of *culturally disabled* freshmen at the University of Minnesota.

RT-2-C-6 (68-2). DEVELOPMENT OF A COMPUTER BASED SYSTEM FOR DATA STORAGE AND RETRIEVAL. R. E. Matthews.

To develop a *computer-oriented system* capable of storing and retrieving data about patients and processing data for research.

RT-2-C-6 (68-3). PERSONALITY AND BIOGRAPHICAL FACTORS INFLUENCING OCCUPATIONAL CHOICE AND SATISFACTION AMONG OCCUPATIONAL AND PHYSICAL THERAPISTS. A. H. Roberts, Ph.D.

To determine the personality and biographical factors which influence *occupational choice* and job satisfaction among *OT's and PT's*.

RT-2-C-6 (68-1). REVIEW OF THE LITERATURE RELATING TO THE PORTEUS MAZE TEST. A. H. Roberts, Ph.D.

To thoroughly survey, organize, and critically evaluate the experimental literature relating to the *Porteus Maze Test*.

RT-2-C-6 (68-1). A FAMILY INTAKE CONFERENCE AS A TOOL FOR EVALUATION OF CHILDREN IN THE DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION. P. Rosenberg.

To explore the usefulness of a *family intake conference* and to evaluate the constellation of problems of the child.

RT-2-C-6 (68-2). KENNY REHABILITATION INSTITUTE DAY CARE CENTER. N. E. Silberberg, Ph.D.

To design a *day care center* for children who could benefit from the therapeutic services available.

RT-2-C-6 (68-1). THE EFFECT OF BRAIN INJURY ON SMOKING HABITS. N. E. Silberberg, Ph.D.

To discover what effect suffering a cerebrovascular accident on *smoking*.

RT-2-C-6 (68-1). A PILOT PROJECT TO DEVISE TRAINING PROCEDURES IN VISUAL PERCEPTION FOR A HEMIPLEGIC POPULATION. N. E. Silberberg, Ph.D.

This project will utilize Frostig materials in developing a standard training method for adult *hemiplegics*.

RT-2-C-6 (68-2). MECHANICAL PROPERTIES OF HEALING BONE BY THE USE OF ULTRASOUND. M. Tascon-Alonso, M.D.

To study whether the velocity of *ultrasound* through bone in vitro and in vivo correlates with the amount and ossification of bone.

RT-2-C-7 (69-5). STUDIES ON OSTEOPOROSIS. T. M. Cole, M.D.

To study factors influencing the development of *osteoporosis* in patients with severe neuromusculoskeletal impairment.

RT-2-C-7 (69-1). A FOLLOW-UP STUDY OF HEMIPLEGIC PATIENTS TREATED BY THE PHYSICAL MEDICINE AND REHABILITATION PATIENT SERVICE. G. Guillickson, Jr., Ph.D.

To investigate the effect of post-hospital living situations on life expectancy of *hemiplegic patients*.

RT-2-C-7 (69-2). EFFECTS OF TEMPERATURE UPON ANTIBIOTIC SUSCEPTIBILITY OF SELECTED MICRO-ORGANISMS. J. B. Knowles.

To determine the effects of incubation temperatures greater than 37° and less than 37° upon *antibiotic susceptibility* of selected micro-organisms.

RT-2-C-7 (69-1). AUDITORY DISTORTION IN CHILDREN WITH PANHYPOPITUITARISM. F. M. Lassman, Ph.D.

To study whether changes in *hetrina*, reported to have occurred in adults with adrenal cortical insufficiency, occur in children with panhypopituitarism.

RT-2-C-7 (69-1). THE EFFECT OF OBJECT HANDLING DURING THE PRACTICE PERIOD ON THE ORAL DISCRIMINATION OF THREE-DIMENSIONAL FORMS BY SENSORY MAJOR DEFECTIVE SUBJECTS. F. M. Lassman, Ph.D.

To explore the possibility that differences in *oral discrimination* between normal and sensory-motor subjects are due to their poor "learning" in the item handling experience.

RT-2-C-7 (69-1). EFFECTS OF VARIABLE AND FIXED SIGNAL SCHEDULES AT MEAN INTERVALS OF FIVE AND TEN SECONDS ON THE AUDITORY EVOKED RESPONSE. F. M. Lassman,

To use the evoked potential to study active *hearing* as distinguished from passive hearing.

RT-2-C-7 (69-1). RELIABILITY STUDIES OF THE ORAL DISCRIMINATION OF THREE DIMENSIONAL FORMS. F. M. Lassman, Ph.D.

To describe the reliability of the *oral discrimination* of three-dimensional forms.

RT-2-C-7 (69-3). THE DEVELOPMENT OF A STROKE REHABILITATION MANAGEMENT STIMULATOR. L. R. Leslie.

To develop a generally applicable system for *stroke rehabilitation management*.

RT-2-C-7 (69-3). THE EVALUATION OF AN AUTOMATED TRAINING SYSTEM FOR WHEELCHAIR PUSHUPS. A. H. Roberts, Ph.D.

To evaluate the effectiveness and to improve an automated system for *wheelchair pushups*.

RT-2-C-7 (69-1). DEVELOPMENT OF A METHOD FOR EVALUATING AND TEACHING THE EFFECTIVENESS OF THE TEAM APPROACH IN OUT-PATIENT EVALUATION. P. Rosenberg.

To investigate the effectiveness of the coordinated and multidisciplined *health care team* in the provision of *rehabilitative services* and the education of students in the health services.

RT-2-C-7 (69-3). RURAL PUBLIC ASSISTANCE - REHABILITATION PROJECT. S. P. Todd.

To define, deliver, and evaluate an explicit set of related services to individuals who qualify for *public assistance* in a rural county.

RT-2-C-3 (62-6). CONTENT AND ORDER IN THE FORMATION OF IMPRESSIONS. P. F. Briggs, Ph.D.

The design of the study permits the analysis of content and order effects in *impression formation*.

RT-2-C-6 (68-). THE CONCEPTS OF "FAIRNESS" AND "LUCK" HELD BY CHILDREN WITH MENTAL RETARDATION OR PHYSICAL DISABILITY, AND BY NORMAL BLACK AND NORMAL CAUCASIAN CHILDREN. P. F.

Briggs, Ph.D.
To help clarify how the *handicapped child* responds to his condition.

RT-2-C-1 (62-1). AN EVALUATION OF THE EFFECTIVENESS OF PREVOCATIONAL THERAPY AND COUNSELING FOR PSYCHIATRIC PATIENTS (STUDY NO. 1).
P. F. Briggs, Ph.D.
To show the efficacy of treatment programs for the vocational adjustment of the discharged *emotionally disturbed patient.*

RT-2-C-1 (62-6). AN EVALUATION OF THE EFFECTIVENESS OF PREVOCATIONAL THERAPY AND COUNSELING FOR PSYCHIATRIC PATIENTS (STUDY NO. 2). P. F. Briggs, Ph.D.
To define the characteristics of the population of diagnosed emotionally *mentally ill patients* who would be available to the vocational rehabilitation agencies of Hennepin County.

RT-2-C-1 (62-1). AN EVALUATION OF THE EFFECTIVENESS OF PREVOCATIONAL THERAPY AND COUNSELING FOR PSYCHIATRIC PATIENTS (STUDY NO. 3).
P. F. Briggs, Ph.D.
To discover how *psychiatric patients* reacted to the agencies that afforded them service.

RT-2-C-3 (62-3). THE INTER-RELATIONSHIPS OF SEVEN CRITERIA OF ADJUSTMENT AMONG PSYCHIATRIC CLIENTS SEEKING VOCATIONAL COUNSELING.
P. F. Briggs, Ph.D.
This investigation explores the relationships that were found between several heterogeneous *criteria of adjustment.*

RT-2-C-2 (62-). PSYCHOVOCATIONAL RESEARCH.
P. F. Briggs, Ph.D.
To study the performance of chronic seizure patients on a battery of *psychological tests* which estimates aptitudes found to be related to performance in various occupational areas.

RT-2-C-1 (62-2). THE VALIDITY OF THE PORTEUS MAZE TEST COMPLETED WITH THE NON-DOMINANT HAND.
P. F. Briggs, Ph.D.
This study standardizes the *Porteus Maze test* for administration to patients with only a nondominant hand.

RT-2-C-3 (62-3). WORKING OUTSIDE THE HOME AND THE OCCURRENCE OF DEPRESSION IN MIDDLE-AGED WOMEN. P. F. Briggs, Ph.D.
To investigate the effects of social ties on the occurrence of *depression* and suicide.

RT-2-C-2 (63-). A DATA POOL FOR THE REGIONAL RESEARCH AND TRAINING CENTERS. P. M. Ellwood, Jr., M.D.
To establish a pool of diagnostic, therapeutic, and outcome items that are being collected in a relatively uniform manner in the *Regional Rehabilitation Research and Training Centers.*

RT-2 (62-4). COMPARISON OF THE OSCILLOMETRIC INDEX WITH BLOOD FLOW THROUGH THE FOOT AS MEASURED BY PLETHYSMOGRAPHY. M. J. Goldberg, M.D.
To compare oscillometric indices with plethysmographic measurements *of blood flow* in persons with normal circulation and persons with symptoms of peripheral vascular disease.

RT-2-C-2 (62-4). A STUDY OF THE RELATIONSHIP OF PERIPHERAL AND CEREBRAL VASCULAR DISEASE.
M. J. Goldberg, M.D.
To observe the correlation between *vascular disease* in the peripheral blood vessels of the extremities and in the cerebral blood vessels.

RT-2-C-6 (62-). STUDY OF BLOOD FLOW THROUGH THE EXTREMITIES IN CIRCULATORY DISEASE OF ORGANIC OR FUNCTIONAL ORIGIN.
G. Gullickson, Jr., Ph.D.
To investigate the relationship between the degree of *circulatory impairment* and clinical problems of skin breakdown and intolerance to prosthesis, and to evaluate therapeutic methods affecting circulation.

RT-2-C-3 (62-7). A STUDY OF THE EFFECTS OF HEAT ON THE RATE OF ABSORPTION OF BLOOD PIGMENTS FROM RABBIT MUSCLE AFTER TRAUMA.
J. L. Heath, R.P.T.
To study the rate of absorption of total blood pigments from bruised and injected rabbit hamstring muscle with and without treatment by microwave or ultrasound *diathermy.*

RT-2-C-3 (62-). DATA POOL. I. Iversen, M.S.
To define those items of *patient-care information* collected by, and of interest to, the medical and paramedical disciplines in the Research and Training Centers.

RT-2-C-3 (62-). OPERANT REINFORCEMENT OF AUTONOMIC RESPONSES. R. J. Johnson, Ph.D.
To evaluate the possibility of direct operant reinforcement of *autonomically controlled responses.*

RT-2-C-1 (62-). RESEARCH AT THE KENNY REHABILITATION INSTITUTE. R. B. Kersten, D.D.S.
To provide direction to the overall objectives of the research program at the *Kenny Rehabilitation Institute.*

RT-2 (62-). EVALUATION OF CARDIAC OUTPUT AND CARDIAC WORK DURING VOCATIONAL REHABILITATION. F. J. Kottke, M.D.
To study the requirements for *cardiac output and cardiac work* during various types of daily activities and occupational activities.

RT-2-C-3 (62-). ELECTRON MICROSCOPIC STUDY OF MUSCLE. F. J. Kottke, M.D.

To establish an electron microscopy laboratory for study of *diseases of muscle*.

RT-2 (55-15). DETERMINATION OF CARDIAC OUTPUT BY AN ELECTRICAL IMPEDANCE METHOD. W. G. Kubicek.

To obtain widespread clinical evaluation of a thoracic electrical impedance cardiographic technique for estimating changes in *cardiac output*.

RT-2-C-1 (62-). GROUP VS. INDIVIDUAL STUDIES OF AUDITORY MEMORY. F. Lassman, Ph.D.

Development of a tape recorded test of digit *memory span* and comparison of group vs. individual performance.

RT-2-C-2 (62-). SPEECH, LANGUAGE, AND HEARING OF CHILDREN. F. Lassman, Ph.D.

To develop a battery of *speech, language, and hearing* tests for 3-year-old children.

RT-2-C-2 (62-). THE KENNY REHABILITATION INSTITUTE FOLLOW-UP REPORT. J. Lucille Poor, Ph.D.

To gather data in order to determine what has happened to the patients since leaving *Kenny Institute* in relation to recovery of social functioning.

RT-2-C-3 (62-6). A FOLLOW-UP STUDY ON A SELECTED GROUP OF PARAPLEGIC PATIENTS WITH IMPLICATIONS FOR PUBLIC HEALTH NURSING. R. E. Shoemaker, M.P.H.

To define factors within the home and community which may influence the maintenance or regression of the rehabilitative status of the traumatic *paraplegic*.

RT-3-C-1 (62-2). A COMPARATIVE ANALYSIS OF THE DEEP HEATING PROPERTIES OF MICROWAVES OPERATING AT FREQUENCIES OF 2456 AND 900 MEGACYCLES UNDER THERAPEUTIC CONDITIONS. J. F. Lehmann, M.D.

To compare the effectiveness of two *microwaves* operating at different frequencies.

RT-3-C-2 (62-1). COMPARISON OF DEEP HEATING BY MICROWAVES AT FREQUENCIES OF 2456 AND 900 MEGACYCLES. J. F. Lehmann, M.D.

To compare the temperature distributions produced in human volunteers by *microwaves* operating at 2456 and 900 megacycles.

RT-3-C-4 (62-7). ELASTIC PROPERTIES AND COLLAGEN CONTENT OF NORMAL AND DENERVATED, IMMOBILIZED AND INFLAMMED SKELETAL MUSCLE. W. C. Stolov, M.D.

To prevent and treat diseases that produce inflammation and denervation in *skeletal muscle*.

RT-3-C-1 (63-). EFFECTIVE SURFACE AREA OF THE PLACENTA. J. J. Faber, Ph.D.

To provide better understanding of some of the mechanisms which may lead to increased *fetal mortality* and increase the occurrence of *congenital defects*.

RT-3-C-1 (63-3). AN INVESTIGATION OF THE FRICTIONAL PROPERTIES OF LIVING MAMMALIAN JOINTS. J. J. Faber, M.B.

To develop a better understanding of the physiology of the *joint function*.

RT-3-C-3 (63-5). ANALYSIS OF LEARNING DEFICITS IN LEFT AND RIGHT HEMIPLEGICS AS A FUNCTION OF SYMBOLIC-NON-SYMBOLIC CONTENT OF STIMULI. W. E. Fordyce, Ph.D.

To develop a methodology and apparatus to improve the treatment process in such areas as occupational therapy and physical therapy for *hemiplegics*.

RT-3-C-3 (63-3). THE MODALITY OF INSTRUCTION VARIABLE IN PERFORMANCE OF HEMIPLEGICS. W. Fordyce, Ph.D.

To test the hypothesis that oral vs. pantomime instructions for simple *manual tasks* would differ in effectiveness according to whether subjects were left or right *hemiplegics*.

RT-3-C-2 (63-1). MODIFICATION OF HEATING PATTERNS PRODUCED BY MICROWAVES AT THE FREQUENCIES OF 2456 AND 900 MEGACYCLES BY PHYSIOLOGIC FACTORS IN THE HUMAN. J. F. Lehmann, M.D.

To determine whether or not conclusions previously obtained from *heating patterns* produced by *microwaves* on specimens would be applicable to live human tissue.

RT-3-C-1 (63-). A COMPARISON OF THE EFFECTS OF CONTINUOUS AND PULSED SHORTWAVE DIATHERMY: I. RESISTANCE TO BACTERIAL INFECTION. D. R. Silverman, M.D.

To evaluate pulsed and continuous output *shortwave diathermy*.

RT-3-C-1 (63-3). THE EFFECT OF CERVICAL TRACTION ON CERVICAL SPINE CURVATURE AND SYMPTOMATOLOGY IN DEGENERATIVE DISEASES OF THE CERVICAL SPINE. W. C. Stolov, M.D.

To demonstrate whether high weight *cervical traction* can restore normal curvature to the cervial spine in patients with symptomatic *degenerative* disc and joint *disease* of the *cervical spine*.

RT-3-C-3 (63-4). A STUDY OF DENERVATED SKELETAL MUSCLE. W. C. Stolov, M.S.

To retard disability in *denervation* problems and in problems of *contracture* and shortening of recovery.

RT-3-C-4 (64-5). TESTING HAND FUNCTION IN RHEUMATOID ARTHRITIS. D. L. Clawson, M.D.

To document patients who are receiving medical, physical-medical, and surgical treat-

ment for *rheumatoid arthritis*, and to follow changes in *hand function* by using a prescribed series of functional tests.

RT-3-C-4 (64-3). FRICTIONAL PROPERTIES OF RABBIT KNEE JOINTS. J. J. Faber, Ph.D.
To investigate the effectiveness of *synovial fluid* as a lubricant in the joints.

RT-3-C-3 (64-4). THE HEMIC AND LYMPHATIC CIRCULATION OF RABBIT KNEE JOINTS.
J. J. Faber, M.D.
To investigate the rate of *synovial blood flow* and rate of turnover of substances in the synovial fluid.

RT-3-C-3 (64-3). PLACENTAL PERMEABILITY TO OXYGEN. J. J. Faber, M.D.
To establish what part of *fetal anoxia* is due to insufficient fetal flow or maternal flow through the placenta and what part is due to insufficient placental exchange area.

RT-3-C-1 (64-2). RELATIONSHIPS AMONG GLOBAL VALUE JUDGMENTS ABOUT PATIENTS BY PROFESSIONAL STAFF, PROFESSIONAL TRAINING, AND DEGREE OF DISABILITY. W. E. Fordyce, Ph.D.
To understand more of the attitude structure and interactions of the *rehabilitation team* by measuring differences in perceptions of patients among the professions participating in the rehabilitation process.

RT-3-C-3 (64-2). DETERMINATION OF AN OPTIMUM MICROWAVE DIATHERMY FREQUENCY FOR A DIRECT CONTACT APPLICATOR. A. W. Guy, Ph.D.
An approximate theoretical analysis is presented for determining the *relative heating* in a two layer fat-muscle medium due to a dielectric loaded dipole-corner reflector *applicator* in *direct contact* with the finite fat layer.

RT-3-C-3 (64-1). THE EFFECT OF A SINGLE DIALYSIS ON MOTOR AND SENSORY NERVE CONDUCTION VELOCITY IN UREMIA. R. H. Jebsen, M.D.
To investigate the *neurophysiology of uremia* as a possible prelude to establishing the basis of disabling peripheral neuropathy associated with chronic renal failure.

RT-3-C-5 (64-3). NATURAL HISTORY AND EFFECT OF DIALYSIS IN CHRONIC RENAL INSUFFICIENCY.
Robert H. Jebsen, M.D.
To study the relation of motor-nerve conduction velocity to changes in *renal function* in patients with chronic renal insufficiency who did not recieve either *dialysis* or renal transplantation.

RT-3-C-3 (64-1). CROSS VALIDATION STUDIES ON INTEREST, ACCIDENTS, AND DISABILITY.
Joseph T. Kunce, Ph.D.

To discern whether there is a high incidence of severely *injured individuals* with scores high on the aviator, masculinity-feminity, and banker scales.

RT-3-C-3 (64-). FIGURE DRAWING OF DISABLED.
J. T. Kunce, Ph.D.
To document the objective differences between freehand *drawing* of *brain-injured subjects* in comparison with other disabled and normal subjects.

RT-3-C-3 (64-). RELATIONSHIP OF CIRCULAR PENCIL MAZES TO MINNESOTAL MULTIPHASIC PERSONALITY PROFILES. Joseph T. Kunce, Ph.D.
To demonstrate the effects of certain kinds of disabilities upon the ability to solve relatively simple problems *(maze performance)*.

RT-3-C-3 (64-3). ASSESSMENT OF THE FUNCTION OF GLENOHUMERAL MUSCULATURE IN ISOMETRIC CONTRACTION. J. F. Lehmann, M.D.
To develop better understanding of the function of the *shoulder girdle musculature*.

RT-3-C-3 (64-2). A COMPARISON OF THERAPEUTIC TEMPERATURE DISTRIBUTION PRODUCED BY INFRARED LUMINOUS HEAT SOURCES, HOT PACKS AND MICROWAVE APPLICATION TO THE HUMAN THIGH.
J. F. Lehmann, M.D.
To improve the therapeutic application of *heating modalities* to treat patients with disability and to minimize the residual loss of function.

RT-3-C-3 (64-2). MODIFICATION OF HEATING PATTERNS BY PHYSIOLOGIC RESPONSES IN THE HUMAN VOLUNTEERS DURING ULTRASOUND APPLICATION WITH STANDARD TECHNIQUES. J. F. Lehmann, M.D.
The results of this study have clearly shown that *ultrasound* is the modality which could most effectively raise the temperature in joints to tolerance levels.

RT-3-C-2 (64-4). A STUDY OF HEATING PATTERNS PRODUCED IN SPECIMENS AND IN HUMAN VOLUNTEERS BY A SPECIALLY DESIGNED MICROWAVE APPLICATOR OPERATING AT A FREQUENCY OF 750 MEGACYCLES.
J. F. Lehmann, M.D.
To test the newly designed *microwave applicator* operating at a frequency of 750 megacycles in a specimen and in the human volunteer to observe the *heating patterns* produced.

RT-3-C-4 (64-3). COMPARISONS OF THE EFFECTS OF PULSED AND CONTINUOUS SHORTWAVE DIATHERMY: II. PERIPHERAL BLOOD FLOW. D. R. Silverman, M.D.
To separate any effects of *shortwave diathermy* due to heat from any which may be related to high frequency energy.

RT-3-C-3 (64-2). THE DEVELOPMENT OF A METHOD OF EVALUATION OF LOWER EXTREMITY BRACES.
D. C. Symington, M.D.

To facilitate more effective *bracing* in the *lower extremities* for improved mobility and the maintenance of the individual's physical and mental health.

RT-3-C-3 (64-2). SELECTED FOLLOW-UP STUDY OF TWENTY SPINAL CORD INJURY PATIENTS. D. C. Symington, M.D.

To gain a greater knowledge of the techniques used to improve the levels of *functional achievement* in patients with traumatic *quadriplegia* at the C 6-7 level.

RT-3-C-3 (64-4). INVESTIGATION OF BIOPHYSICAL PROPERTIES OF INTERVERTEBRAL DISC TISSUES. Thomas K. F. Taylor, M.D.

Consideration is to be given to the influence of mechanical forces and to the mechanisms of repair in the *intervertebral disc tissue*.

RT-3-C-3 (65-1). CONTINUITY OF CARE PILOT PROJECT INVOLVING PUBLIC HEALTH NURSES AT THE INCEPTION OF THE PATIENT'S REHABILITATION PROGRAM. Bertha L. Doremus, A.C.S.W.

To determine the feasibility of greater involvement of *public health nurses* in the total *rehabilitation* program.

RT-3-C-3 (65-3). MEASURES OF COURSE PLANNING EFFICIENCY ON A FINGER MAZE BY LEFT AND RIGHT HEMIPLEGICS. W. E. Fordyce, Ph.D.

To develop a finger maze analogue of *perceptual problems* in ambulation by *hemiplegics*.

RT-3-C-3 (65-3). PERSONALITY CHARACTERISTICS AND SECONDARY COMPLICATIONS IN SPINAL CORD INJURY PATIENTS. W. E. Fordyce, Ph.D.

To measure severity of selected *secondary complications* and degree of interference in *rehabilitation*.

RT-3-C-3 (65-3). RELATIONSHIPS BETWEEN PERSONALITY CHARACTERISTICS AND THE INCIDENCE AND DEGREE OF INFLUENCE ON REHABILITATION OF SKIN AND BLADDER COMPLICATIONS. W. E. Fordyce, Ph.D.

To explore whether there are any significant relationships between the *Minnesota Multiphasic Personality Inventory patterns* and incidence and/or duration of secondary complications in *cord injury patients*.

RT-3-C-4 (65-3). NEURONAL POPULATION ANALYSIS OF SOMATOSENSORY PORTION OF THALAMUS (NUCLEUS VENTRALIS POSTEROLATERALIS). F. A. Harris.

To obtain information about the *ascending pathways* involved in the *activation of the M neurons* by the periperal stimulus.

RT-3-C-3 (65-4). BODY IMAGE RESEARCH. Ronald B. Hartley, Ph.D.

To increase the efficiency of *predicting responses* of patients to *rehabilitation* and subsequent success in achieving physical, psychological, and vocational goals by the psychological measurement of body image parameters.

RT-3-C-3 (65-3). CARDIOVASCULAR AND CIRCULATORY EFFECT OF USING PROSTHESIS IN UNILATERAL AMPUTEES WITH PERIPHERAL VASCULAR DISEASE IN THE REMAINING EXTREMITY. J. C. Honet, M.D.

To investigate whether the use of *prosthesis* puts increased demands on the heart and to what extent it affects other areas of the remaining extremity in *amputees* with peripheral vascular disease.

RT-3-C-3 (65-2). THE USE OF BRACES IN THE TREATMENT OF ARTERIOSCLEROSIS OBLITERANS OF THE LOWER EXTREMITIES. J. C. Honet, M.D.

To increase the ease of ambulation and mobility for patients with *intermittent claudication* through the use of *bracing*.

RT-3-C-4 (65-2). VARIATIONS IN NERVE CONDUCTION VELOCITY. Joseph C. Honet, M.D.

To discern more precise electrodiagnostic criteria for performing *nerve conduction velocity* and in testing for neurologic diseases.

RT-3-C-3 (65-3). BRACHIAL PLEXUS INJURY IN HEMIPLEGICS. R. H. Jebsen, M.D.

To investigate possible methods of preventing paralysis of arm and hand due to *brachial plexus injury* in *stroke* victims.

RT-3-C-3 (65-2). EFFECT OF SMOKING AND DRINKING COFFEE ON MOTOR AND SENSORY NERVE CONDUCTION VELOCITIES. R. H. Jebsen, M.D.

To assess the possible misleading effects of *smoking* and drinking coffee on clinical *nerve conduction velocity* tests.

RT-3-C-3 (65-1). ACCIDENT PRONENESS AND PSYCHOLOGICAL ADJUSTMENT. J. T. Kunce, Ph.D.

To investigate the possibility that *accident proneness* and the capacity to worry are somewhat incompatible.

RT-3-C-3 (65-1). CIRCULAR PENCIL MAZES AS A CULTURED FREE TEST OF ADJUSTMENT. J. T. Kunce, Ph.D.

To determine the *behavioral manifestations* of 65 Alaska natives from a small village and 50 Eskimos attending high school through the use of the *maze test*.

RT-3-C-3 (65-1). CLIENT CHARACTERISTICS AND REHABILITATION OUTCOMES. J. T. Kunce, Ph.D.

To investigate and analyze the *psychological characteristics* of approximately 150 patients who have participated in the Physical Medicine and Rehabilitation *prevocational program* in relation to vocational outcomes.

RT-3-C-3 (65-3). APPLICATION OF THE DESIGN OF A 750 MEGACYCLE MICRODIPOLE ANTENNA FOR THERAPEUTIC APPLICATION. J. F. Lehmann, M.D.

To treat disease entities (of muscles) to minimize *residual disability* and increase *employment* potential.

RT-3-C-3 (65-3). HEATING PATTERNS PRODUCED BY SHORTWAVE APPLIED WITH A HELICAL COIL INDUCTION APPLICATOR. J. F. Lehmann, M.D.

To develop a new therapeutic approach for diseases which otherwise lead frequently to severe *muscle contractures* with resulting handicap.

RT-3-C-2 (65-4). MODIFICATIONS OF HEATING PATTERNS BY PHYSIOLOGIC RESPONSE IN THE HUMAN VOLUNTEER DURING SHORTWAVE APPLICATION.
J. F. Lehmann, M.D.

To give comparison between the *heating patterns* produced by the various techniques of *shortwave* application with the heating patterns produced by other modalities.

RT-3-C-4 (65-3). A STUDY OF HEATING PATTERNS PRODUCED IN SPECIMENS AND IN HUMAN VOLUNTEERS BY VARIOUS DESIGNS OF MICROWAVE APPLICATORS OPERATING AT A FREQUENCY OF 433 MEGACYCLES.
J. F. Lehmann, M.D.

To test the newly designed *microwave applicators* operating at a frequency of 433 megacycles, both in specimens and in human volunteers to observe the *heating patterns* produced.

RT-3-C-4 (65-1). TEMPERATURE DISTRIBUTION PRODUCED BY ULTRASOUND UNDER SIMULATED CLINICAL CONDITIONS AS MODIFIED BY VARYING THE DOSAGE AND VOLUME OF TISSUES EXPOSED.
J. F. Lehmann, M.D.

To improve the dosimetry of *ultrasound treatment*, thus improving the therapeutic results which would minimize disability.

RT-3-C-3 (65-6). TRANSMISSION OF FORCE THROUGH ISCHIAL WEIGHT-BEARING BRACES OF VARIOUS DESIGN.
J. F. Lehmann, M.D.

The study measures the transmission and distribution of *mechanical force* through the soft tissues and the skeletal system as well as through the weight-bearing *brace* and its component parts of the lower extremity.

RT-3-C-4 (65-2). EVALUATION OF DIAGNOSTIC METHODS IN SYSTEMIC LUPUS. R. F. Wilkens, M.D.

To develop early, objective diagnosis of *systemic lupus* erythematosus and to distinguish it from other forms of arthritis.

RT-3-C-4 (66-3). MECHANISM AND EFFECTS OF ULTRASOUND ON MOTOR AND SENSORY NERVE FUNCTION IN THE HUMAN. Barbara J. DeLateur, M.D.

To deal more effectively with intractable *pain problems* as they commonly interfere with comprehensive and thus vocational rehabilitation.

RT-3-C-4 (66-1). A TEST OF THE DELORME AXIOM.
Barbara J. DeLateur, M.D.

To determine whether endurance can be built equally well by high-intensity low-repetition *exercise* which is less consuming and therefore more economical in terms of *therapist time*.

RT-3-C-4 (66-3). AN AUTOMATED SYSTEM FOR TRAINING AND CONTROLLING FREQUENCY OF BED TURNING IN DISABLED PATIENTS.
W. E. Fordyce, Ph.D.

To develop an *effective bed turning* habit and to provide an economically feasible system to prevent decubiti from developing in bedbound patients.

RT-3-C-4 (66-3). TESTING AN AUTOMATED TRAINING SYSTEM FOR WHEELCHAIR PUSHUPS.
W. E. Fordyce, Ph.D.

To develop a device with a pressure sensitive switch that will sound a tone to be stopped only when patient does a 5-second *wheelchair pushup*.

RT-3-C-3 (66-1). THE WORD VALUE AS A FACTOR IN A PAIRED-ASSOCIATED LEARNING TASK OF FORMS BY HEMIPLEGIC PATIENTS. W. E. Fordyce, Ph.D.

To analyze measures of *learning and retention* according to the word values of forms and the cerebral hemisphere involved in each *hemiplegic patient*.

RT-3-C-4 (66-2). AROUSAL LEVEL AND THE PERCEPTION OF VERTICALITY IN HEMIPLEGIC PATIENTS.
Roy S. Fowler, Jr., Ph.D.

To test the relationship between the *arousal level* of a *hemiplegic* subject and the accuracy of his judgment of the visual vertical.

RT-3-C-4 (66-2). AROUSAL LEVEL AND THE SPEECH PERFORMANCE OF APHASIC PATIENTS.
Roy S. Fowler, Jr., Ph.D.

To test the relationship between *arousal level* and speech production in *aphasic* stroke patients.

RT-3-C-4 (66-3). OPTIMIZATION STUDIES OF DIATHERMY MODALITIES AND APPLICATORS.
Arthur W. Guy, Ph.D.

To develop and evaluate more effective *diathermy modalities* than presently exist.

RT-3-C-5 (66-2). THE SIMULATION OF HUMAN FAT AND MUSCLE TISSUES WITH DIELECTRIC MODELS FOR DETERMINING HEATING PATTERNS DUE TO ELECTROMAGNETIC ENERGY. Arthur W. Guy, Ph.D.

To examine and implement *thermographic studies* of electrically equivalent phantom models of human tissue structure.

RT-3-C-4 (66-2). A STUDY OF THE DIELECTRIC PROPERTIES OF HUMAN FAT AND MUSCLE UNDER DIFFERENT PHYSIOLOGIC CONDITIONS.

Arthur W. Guy, Ph.D.
To assist in the research and development of improved therapeutic *heating modalities*.

RT-3-C-3 (66-3). LATENCY OF RESPONSE AND CONDUCTION VELOCITY STUDIES ON PATIENTS AND ANIMALS RECEIVING NEUROTOXIC DRUGS.
Joseph C. Honet, M.D.
To study some of the basic neuromuscular effects of *neurotoxic drugs*.

RT-3-C-4 (66-1). NERVE CONDUCTION VELOCITY DETERMINATIONS IN THE RAT. J. C. Honet, M.D.
To provide an animal model for determining the effects of *neurotoxic drugs* and diseases in the nerve.

RT-3-C-3 (66-1). DEVELOPMENT OF A NERVE STIMULATOR TO ASSIST COUGHING FOR PATIENTS WITH TRAUMATIC QUADRIPLEGIA. R. H. Jebson, M.D.
To develop a method for prevention and treatment of *respiratory infections* in *quadriplegics*.

RT-3-C-3 (66-3). ELECTROMYOGRAPHY IN SPINAL CORD INJURIES. R. H. Jebsen, M.D.
To document the extent of *cord damage*.

RT-3-C-4 (66-3). EXPERIMENTAL SHORT LEG BRACE. R. H. Jebson, M.D.
To develop a lighter *leg brace*.

RT-3-C-4 (66-2). OBJECTIVE MEASUREMENT OF PATIENT MOBILITY. R. H. Jebsen, M.D.
To develop an objective measurement of performance on standarized tests of *mobility* such as wheelchair activity, transfers, bed activities, walking, and climbing stairs.

RT-3-C-4 (66-3). WHEELCHAIR MODIFICATIONS. R. H. Jebsen, M.D.
To develop a *wheelchair* that will permit better patient mobility, including transfer.

RT-3-C-4 (66-2). APPLICATION OF LASER HOLOGRAPHY TO STRESS ANALYSIS OF BIOLOGICAL SYSTEMS. J. F. Lehmann, M.D.
To obtain information applicable to improved *bone pinning* methods, minimization of weight, optimization of load in external braces and aids, improved bone setting techniques and splint application.

RT-3-C-4 (66-1). BONE AND SOFT TISSUE HEATING PRODUCED BY ULTRASOUND. J. F. Lehmann, M.D.
To find the modality producing the highest *temperature* throughout the joint structures, in order to develop a much improved therapy for *contractures*.

RT-3-C-3 (66-4). AN EVALUATION OF CLINICAL EFFICACY OF VARIOUS NEUROMUSCULAR FACILITATION TECHNIQUES IN HEMIPLEGICS. J. F. Lehmann, M.D.
To evaluate the efficacy of the various *neuromuscular reeducation* and facilitation techniques as to their efficacy in obtaining voluntarily controlled useful motions.

RT-3-C-4 (66-3). EXTENSIBILITY OF MAMMALIAN TISSUE. J. F. Lehmann, M.D.
To delineate more clearly the types of *therapeutic modalities* which will be more liable to achieve the long-range goal of increasing self-care activities of patients with *contractures* in the muscle-tendon apparatus and periarticular structures.

RT-3-C-4 (66-1). IN VIVO NERVE CONDUCTION VELOCITY DETERMINATION IN THE RAT.
Wayne G. Ramerman.
To provide an animal model for determining the effects of *neurotoxic drugs* and diseases in nerve.

RT-3-C-1 (66-). A COMPARISON OF THE EFFECTS OF CONTINUOUS AND PULSED SHORTWAVE DIATHERMY ON PERIPHERAL BLOOD FLOW AND WOUND HEALING.
D. R. Silverman, M.D.
To study the effects of pulsed versus continuous *shortwave diathermy* on blood flow and wound healing.

RT-3-C-4 (66-1). A DEVICE TO MONITOR WEIGHT IN THE LOWER EXTREMITY WHILE WALKING.
D. R. Silverman, M.D.
To develop an *ambulating aid* for those temporarily disabled in one lower extremity.

RT-3-C-3 (66-). EXTERNAL URINE COLLECTION DEVICE FOR FEMALES. D. R. Silverman, M.D.
To design a new external *urine collection device* for females.

RT-3-C-4 (66-2). TRANSFER EQUIPMENT FOR BED, TUB, AND AUTOMOBILE FOR QUADRIPLEGICS WEIGHING LESS THAN 100 POUNDS. D. R. Silverman, M.D.
An attempt to develop *supporting and lifting components* suitable for those weighing less than 100 pounds (quadriplegics).

RT-3-C-3 (66-2). GASTROC-SOLEUS CONTRACTURES IN STROKE SYNDROMES (CAUSE AND TREATMENT).
Walter C. Stolov, M.D.
To develop measuring devices and techniques so that early diagnosis and treatment of contractures, lower motor neuron paralysis, etc., can be obtained for those who have suffered *strokes*.

RT-3-C-3 (66-3). DEVELOPMENT OF NEW WALKING AIDS FOR THE DISABLED. M. D. Symington, D.C.
To design a new stair climbing *walker*.

RT-3-C-4 (66-1). AN IDEAL COMMODE FOR THE REHABILITATION WARD. D. C. Symington, M.D.
To develop a *commode* that permits the patient to achieve independence through earlier transfer for toilet training.

RT-3-C-5 (67-2). A DEVICE TO MONITOR A PATIENT'S 'UP TIME' BY CLINICAL CARING FOR PATIENTS ON OPERANT CONDITIONING PROGRAMS. Rosemarian Berni, R.N.

To perfect a device to *monitor* a patient's "well behavior" time and "sick behavior" time.

RT-3-C-5 (67-2). A COMPARATIVE STUDY OF HOSPITAL BASED PRE-VOCATIONAL REHABILITATION PROGRAMS. Roger C. Betz.

To determine the effectiveness of the *pre-vocational test* for disparite patient populations.

RT-3-C-4 (67-1). SPINAL REFLEXES IN CEREBRAL HYPOTONIA. Coldevin B. Carlson, M.D.

An attempt to describe and understand *clinical phenomena* in quantitative *physiological terms*.

RT-3-C-5 (67-2). A COMPARISON OF THE EFFECTIVENESS OF ISOMETRIC AND ISOTONIC EXERCISES. B. J. Delateur, M.D.

To determine whether *isometric exercise* is equally efficient in producing strength, power, and static and dynamic endurance.

RT-3-C-4 (67-3). EVALUATION OF PRESSURE RELIEVING DEVICES USED IN THE PREVENTION AND TREATMENT OF DECUBITUS ULCERS. B. J. Delateur, M.D.

To determine if any of the *new bed devices* developed by Stryker Corp. or Scott Co. produce an even *pressure distribution* over the weight-bearing surface.

RT-3-C-5 (67-1). HEATING OF JOINT STRUCTURES BY ULTRASOUND. B. J. Delateur, M.D.

To establish efficient ways to treat joint *contractures* by *ultrasound*.

RT-3-C-5 (67-1). STUDY OF CONTINUITY OF REHABILITATION FROM HOSPITAL TO HOME ENVIRONMENT. Bertha L. Doremus, A.C.S.W.

To study, analyze, and promote *continuity of care* and sustain the patient's rehabilitation gains from hospital to home environment.

RT-3-C-5 (67-1). A NON-LANGUAGE TEST OF NEW LEARNING. R. S. Fowler, Jr., Ph.D.

To develop an object paired-associate *learning test* for which norms are gathered on *stroke patients* and normal adults.

RT-3-C-5 (67-3). BONE DENSITOMETRY IN THE STUDY OF MYOSITIS OSSIFICANS. Ernest R. Griffith.

To study various forms of *osteoporosis* and its possible relation to *myositis ossificans*.

RT-3-C-5 (67-3). COMPUTER APPLICATIONS TO PHYSICAL MEDICINE AND REHABILITATION. Arthur W. Guy, Ph.D.

To develop *hardware and software* applicable to *biomedical problems*.

RT-3-C-5 (67-3). STUDY OF THERMAL EFFECTS DUE TO PROPAGATION OF SOUND WAVES IN TISSUE. Arthur W. Guy, Ph.D.

To control and analyze the effects of *sound waves* so that further applications can be made for therapeutic heating.

RT-3-C-4 (67-1). AN INVESTIGATION TO DETERMINE CORRELATION BETWEEN ORAL STEREOGNOSIS AND ABILITY TO ACCOMODATE TO CERTAIN ORAL PROTHESIS. Gary E. Hall.

To reveal *oral stereognosis* as an important prognostic indicator of accomodation to oral prothesis.

RT-3-C-4 (67-5). EVALUATION OF SPEECH AND LANGUAGE PERFORMANCE 6 and 12 MONTHS AFTER TERMINATION OF THERAPY. Gary E. Hall.

To determine pattern language behavior of *aphasic patients* after termination of *language therapy*.

RT-3-C-4 (67-2). ORAL STEREOGNOSIS IN DYSARTHRIC PATIENTS. Gary E. Hall.

To provide data on *sensory information* from tongue from those individuals with an impairment of the *central nervous system*.

RT-3 (67-2). EVALUATION OF SYMPATHETIC FUNCTION IN CHILDREN WHO HAVE PARAPARESIS FROM MYELOMENINGOCELE. Herbert H. Hendricks.

To develop a predictor of what might be expected regarding *bowel and bladder control*.

RT-3-C-4 (67-1). SURAL NERVE CONDUCTION VELOCITY IN RENAL DISEASE. Robert H. Jebsen, M.D.

To develop a technique for measuring sensory nerve conduction in the lower extremities for the early diagnosis and prevention of *chronic renal disease*.

RT-3-C-5 (67-2). APPLICATION OF THE DESIGN OF A 915 MEGACYCLE DIPOLE ANTENNA FOR THERAPEUTIC APPLICATION. J. F. Lehmann, M.D.

To evaluate the applicator by introducing *temperature recording* devices into pork specimens and human volunteers to determine *temperature distribution*.

RT-3-C-4 (67-3). EVALUATION OF EFFICIENCY OF TWO TYPES OF LONG LEG BRACES IN THE PARAPLEGIC. J. F. Lehmann, M.D.

To determine if the *brace* with an anterior and posterior ankle stop provides for better *standing ability* and whether it reduces or increases the metabolic demand when ambulating.

RT-3-C-4 (67-4). EVALUATION OF QUADRIPLEGIC HAND FUNCTION WITH AND WITHOUT BRACING AND SURGERY. J. F. Lehmann, M.D.

To obtain objective information on the level and type of activity that the *quadriplegic* can perform without braces, with upper extremity

braces (functional), and with various types of surgery.

RT-3-C-4 (67-1). HEATING OF JOINT STRUCTURES.
J. F. Lehmann, M.D.
To measure the *temperature distribution* throughout the overlying skin, subcutaneous fat, musculature joint capsule, synovia and joint space.

RT-3-C-5 (67-2). MUSCLE HEATING WITH A HELICAL COIL SHORTWAVE APPLICATOR IN THE HUMAN.
J. F. Lehmann, M.D.
To record *temperature distributions* in the midportion of the anterior thigh with temperature measuring probes introduced at discreet levels from surface to *bone* in humans.

RT-3-C-5 (67-4). PREDICTORS FOR REHABILITATION POTENTIAL IN PATIENTS WITH STROKE.
J. F. Lehmann, M.D.
To a set of *predictors for rehabilitation of stroke* patients.

RT-3-C-4 (67-3). THERMOGRAPHIC SCREENING OF HEATING PATTERNS PRODUCED BY VARIOUS APPLICATION TECHNIQUES OF DIATHERMY MODALITIES USING SOLID STATE DIELECTRIC MODELS.
J. F. Lehmann, M.D.
To develop a more efficient screening method to handle effectively the large number of *diathermy applications* modified by the numerous application techniques.

RT-3-C-5 (67-3). DETERMINATION OF PROXIMAL AND DISTAL NERVE CONDUCTION VELOCITY IN FIBERS OF THE ULNAR NERVE SUPPLYING THE FLEXOR CARPI ULNARIS. Alexander J. Masock, M.D.
To develop instrumentation and proper positioning of pickup electrodes regarding *nerve conduction velocity*.

RT-3-C-5 (67-3). PROXIMAL AND DISTAL NERVE CONDUCTION VELOCITY IN RENAL DISEASE.
Alexander J. Masock, M.D.
To determine the differential between proximal and distal *nerve conduction velocity* in peripheral neuropathy on the basis of chronic *renal disease*.

RT-3-C-4 (67-3). THE ASSESSMENT OF REHABILITATION PATIENT PERFORMANCE IN WORK ASSIGNMENTS ON A UNIVERSITY CAMPUS.
Densley H. Palmer, Ph.D.
To refine the *assessment techniques* employed in the work evaluation program of campus and hospital work stations.

RT-3-C-5 (67-1). DESIGN OF A COLLAPSIBLE STANDING TABLE FOR DISABLED CHILDREN.
D. R. Silverman, M.D.
To design a collapsible *standing table* for *disabled children*.

RT-3-C-5 (67-1). DEVELOPMENT OF TWO ULTRASOUND COUPLING AGENTS. D. R. Silverman, M.D.
To design better inexpensive *ultrasound coupling agents*.

RT-3-C-5 (67-1). THE FABRICATION OF POSTERIOR KNEE SPLINTS FOR CHILDREN UTILIZING ROYALITE THERMO SENSITIVE PLASTIC.
D. R. Silverman, M.D.
To establish the suitability of Royalite for use as material for temporary posterior *knee splints*.

RT-3-C-4 (67-). FORMULATION OF A NEW ULTRASOUND COUPLING AGENT. D. R. Silverman, M.D.
To develop a better inexpensive *ultrasound coupling agent*.

RT-3-C-5 (67-2). DEVELOPMENT OF WHEELCHAIR MODIFICATIONS FOR POSTURAL CONTROL OF THE TRUNK AND PATIENT STABILITY DEVICES.
Bernard C. Simons, C.P.
To complete development of an adjustable *trunk control device* for patients with high level lesions so that desk and vocational activities can take place without the use of a wheelchair back brace.

RT-3-C-5 (67-1). A NEW METHOD OF STUDYING WOUND HEALING IN RABBITS. D. R. Silverman, M.D.
To develop an experimental model of *wound healing* so that tests can be made of any treatment regimen and be judged objectively in its relative effectiveness.

RT-3-C-5 (67-3). GASTROCNEMIUS MUSCLE BELLY TISSUE AND TENDON LENGTH CHANGES IN STROKE AND IMMOBILIZATION IN HUMANS.
W. C. Stolov, M.D.
To help prevent and treat inflammation and denervation which result in *joint immobility*.

RT-3-C-4 (67-2). THE NATURE OF THERMOREGULATORY MUSCLE TONUS IN THE CONTROL OF BODY TEMPERATURE IN CHILDREN AND ADULTS.
W. C. Stolov, M.D.
To increase the knowledge available on adaptation to environmental temperature which may lead to better techniques in protecting *spinal cord injury* patients from *environmental hazards* and enlarging their employment opportunities.

RT-3-C-5 (67-2). FACIAL NERVE CONDUCTION LATENCY IN PATIENTS WITH CHRONIC RENAL INSUFFICIENCY. Neal Taylor.
To determine if the neuropathy described in patients with chronic *renal insufficiency* also involves the cranial nerves.

RT-3-C-4 (67-2). IMPROVED TRACTION SUSPENSION IN FRACTURES OF THE FEMUR.
Thomas K. Taylor, M.D.

To improve a *traction suspension* device in order to eliminate problems that arise in the treatment of femoral *fractures*.

RT-3-C-4 (67-3). THE RELATIONSHIP BETWEEN PERSONALITY CHARACTERISTICS AND DURATION OF DISABILITY. Roberta B. Trieschmann, Ph.D.

To evaluate the relationship between *personality variables* as measured by the *Minnesota Multiphasic Personality Inventory* and duration of disability.

RT-3-C-5 (67-5). CONJOINT EDUCATIONAL RESEARCH PROJECT. Martha J. Trotter.

To identify the student characteristics that predict successful completion of the *Curriculum in Physical Therapy*.

RT-3-C-4 (67-2). DEVELOPMENT OF STANDARIZED AND OBJECTIVE TESTS OF HAND FUNCTION. Martha J. Trotter.

To design a series of tests that will measure *hand function* objectively by using standarized tasks and measurements for the individual.

RT-3-C-6 (63-5). EQUINE ARTHROPATHY. F. Richard Convery, M.D.

To develop better understanding of the nature of *articular cartilage regeneration*.

RT-3-C-5 (68-1). EXPERIMENTAL HEMARTHROSIS. F. Richard Convery, M.D.

A histological and biochemical study of articular cartilage in response to continuous artificial *hemarthrosis* in dogs.

RT-3-C-6 (68-1). EVALUATION OF A 915 MEGAHERTZ CONTACT APPLICATOR IN HUMAN VOLUNTEERS. Barbara J. DeLateur, M.D.

To test the therapeutic effectiveness of a *Megahertz Contact Applicator* on human volunteers.

RT-3-C-6 (68-2). MOTOR POINT BLOCKS UTILIZING ELECTROMYOGRAPHIC VERIFICATION OF INJECTION SITES. Barbara J. DeLateur, M.D.

To determine the effect of using a new technique of *motor point blocks* to reduce spasticity.

RT-3-C-5 (68-3). OPERANT CONDITIONING METHODS IN MANAGEMENT OF CHRONIC BACK PAIN. Wilbert E. Fordyce, Ph.D.

To test the efficacy of *operant conditioning methods* in modifying the activity levels of patients with selected forms of *chronic back pain*.

RT-3-C-6 (68-1). PILOT PROJECT ON TRAINING AND BEHAVIOR CONTROL SYSTEMS FOR EATING IN OVERWEIGHT WOMEN. Wilbert E. Fordyce, Ph.D.

To develop methods of *training and behavior control systems* in eating for *the obese*.

RT-3-C-6 (68-2). THE SEMANTIC ANALYSIS OF CLINICAL PAIN. Wilbert E. Fordyce, Ph.D.

To refine the relationship between language and medical *pain* status in order to better identify patients more or less responsive to various treatment and management systems.

RT-3-C-6 (68-1). APPLICATION OF OPERANT SYSTEMS TO DIET CONTROL. Roy S. Fowler.

To develop techniques to teach correct *eating habits*.

RT-3-C-6 (68-2). THE EDWARDS EXPERIMENTAL PERSONALITY INVENTORY--A TEST OF PERSONALITY FOR BRAIN DAMAGED SUBJECTS. Roy S. Fowler.

To identify possible uses of the Edwards Personality Inventory with Disabled Populations.

RT-3-C-6 (68-3). PERIPHERAL NEUROPATHY IN PATIENTS WITH CHRONIC NEPHRITIS TREATED WITH DIET. Eugen M. Halar.

To determine muscle strength and *nerve conduction* velocities in patients with chronic *nephritis* treated only with diet.

RT-3-C-6 (68-1). ELECTROMYOGRAPHIC ACTIVITY IN FACIAL MUSCULATURE IN RESPONSE TO ELECTRICAL STIMULATION OF FACIAL NERVE IN RHESUS MONKEY. Frederic A. Harris.

To study *velocity of conduction* in the facial nerve in patients.

RT-3-C-6 (68-1). A STUDY OF THE FUNCTIONAL ABILITIES OF THE UNAFFECTED HAND IN PATIENTS WITH UNILATERAL HEMIPARESIS. Robert H. Jebsen.

To investigate the relationship between *spatial perceptual deficits* and efficiency in using the unimpaired hand of stroke patients.

RT-3-C-6 (68-1). BIOMECHANICS OF THE SHORT LEG BRACE. Justus F. Lehmann, M.D.

To determine the specific indications to allow matching of the *brace design* with specific disability for which it is being designed.

RT-3-C-6 (68-3). AN EVALUATION OF A 433 MEGAHERTZ APPLICATOR IN THE HUMAN VOLUNTEER. Justus F. Lehmann, M.D.

To assess the effectiveness of a 433 *Megahertz Applicator* in treating muscle disease.

RT-3-C-6 (68-3). LIMITING FACTORS OF HEMIPLEGIC AMBULATION. Alexander J. Masock.

To help in the assessment of the *stroke patient* and to decide on what type of *mobility training* he should undergo.

RT-3-C-6 (68-2). BEHAVIORAL SYSTEMS FOR INFLUENCING ACQUISITION AND MAINTENANCE OF INCREASED FLUID INTAKE IN SPINAL CORD INJURY PATIENTS. Patricia Sand.

To evaluate patterns of *fluid intake in*

spinal cord injury patients under various conditions.

RT-3-C-6 (68-2). IMPROVED COSMESIS AND FUNCTION, LONG LEG BRACE. Bernard C. Simond.
To improve cosmesis and function by combining a conventional *long leg brace* with the newly developed plastic short leg brace.

RT-3-C-6 (68-2). A SELF-ALIGNING PYLON FOR THE PATELLAR TENDON BEARING BELOW-KNEE PROSTHESIS. Bernard C. Simons.
To design a *prototype aligning device* that will automatically make adjustments to correct malalignment.

RT-3-C-5 (68-2). THE RELATIONSHIP BETWEEN EARLY REDUCTION OF CERVICAL SPINE DISLOCATIONS AND ULTIMATE FUNCTION OF SPINAL NERVE AT DISLOCATION LEVEL. Walter C. Stolov, M.D.
To determine whether there is a relationship between early reduction of *cerival spine dislocations* and ultimate function of spinal nerve at dislocation level.

RT-3-C-6 (68-2). STUDIES OF THE FACIAL NERVE IN RHESUS MONKEYS. Neal Taylor.
To determine the reason for the slow *conduction velocity* in the *facial nerve*.

RT-3-C-6 (68-4). A NEW TEST OF VISUAL PERCEPTION. Roberta B. Trieschmann, Ph.D.
To evaluate the discriminative value of a *perceptual test* to be used by patients without use of the upper extremities.

RT-3-C-6 (68-2). SOMATIC CONCERN IN REHABILITATION PATIENTS. Roberta B. Trieschmann, Ph.D.
To investigate the relationship between "excessive *somatic concern*" and functioning in a *rehabilitation* program.

RT-3-C-6 (69-1). TESTS OF THE ISOKINETIC EXERCISER. Barbara J. DeLateur, M.D.
To investigate how an *isokinetic exerciser* compares to easily available and inexpensive weights.

RT-3-C-7 (69-2). EVALUATION OF ADVANCED DESIGNS OF A 915 MEGAHERTZ APPLICATOR IN SPECIMEN. Justus F. Lehmann, M.D.
To develop a technique of *selective heating* as a way to treat contractures and inflammation of muscle tissue.

RT-3-C-7 (69-2). EVALUATION OF SHORT LEG BRACE APPLICATIONS TO HEMIPLEGIC PATIENTS. Justus F. Lehmann, M.D.
To develop a more stable *lower extremity brace*.

RT-3-C-7 (69-2). CONDUCTION VELOCITY IN THE TIBIAL NERVE IN RABBITS FOLLOWING LIGATION OF THE INFERIOR GLUTEAL ARTERY. Neal Taylor.
To determine the influence of blood supply on *nerve conduction velocities*.

RT-3-C-7 (69-2). METABOLIC COSTS OF QUADRIPLEGIC WHEELCHAIR ACTIVITIES. C. Gerald Warren.
To measure the metabolic costs of *wheelchair activities* in the *quadriplegic*.

RT-3-C-7 (69-2). A COMPARISON OF METHODS FOR APPLYING ELASTIC BANDAGES TO LOWER EXTREMITIES. Janet J. Whitmore.
To compare several methods of *wrapping* in regard to *prevention of edema*.

RT-3-C-4 (66-1). NERVE CONDUCTION STUDIES IN MEDIAN AND ULNAR NERVES. R. H. Jebsen, M.D.
To obtain a more accurate prognosis and better treatment of *peripheral neuropathy*.

RT-3-C-5 (67-). OBJECTIVE AND STANDARDIZED TESTING OF SELF-CARE ACTIVITIES. R. H. Jebsen, M.D.
To devise a series of subtests which involve a standard series of timed maneuvers in *self-care*.

RT-3-C-2 (64-). DIATHERMY. Justus F. Lehmann, M.D.
An attempt is made to clearly define the rationale for the selection of specific *deep heating modalities* for therapeutic purposes.

RT-3-C-2 (64-). ULTRASOUND THERAPY. Justus F. Lehmann, M.D.
To establish the rationale for the therapeutic use of *ultrasound* and thus to inform practitioners about the intricate mechanisms determining indications and contraindications.

RT-4-C-2 (52-). DEVELOPMENT OF STANDARDIZED METHODOLOGY FOR QUANTITATIVE EVALUATION OF ENDURANCE OR FATIGABILITY. W. C. Beasley, Ph.D.
To attain over a long period of time a useful body of reference information and to establish distributions of *fatigability rates*.

RT-4-C-1 (62-5). ERGONOMICS AND KINESIOLOGY. W. C. Beasley, Ph.D.
To establish an *ergonomics* laboratory and to continue basic studies of the quantification of muscle tensive forces (isometric) in healthy individuals in postpoliomyelitis and other neuromuscular diseases for quantification of clinical *muscle testing*.

RT-4-C-1 (62-). COMPARISON STUDIES TO CONTRAST RESULTS OF EARLY AND LATE COMPREHENSIVE REHABILITATION IN SELECTED MATCHED SPINAL CORD INJURED AND HEMIPLEGIC PATIENTS. C. G. Breckenridge, M.D.
To contrast the results of early and late comprehensive *rehabilitation* in matched groups.

RT-4-C-1 (62-4). BIOCHEMICAL AND PHYSIOLOGICAL TESTING FOR THE EVALUATION OF PHYSICAL FITNESS. D. Cardus, M.D.

To develop *work fitness standards* through the establishment of mathematical correlates of quantitative circulatory and respiratory responses to graded physical work and to account for the effect of body size, composition, etc.

RT-4-C-1 (62-2). MEDICAL ELECTRONIC DEVELOPMENT FOR THE MEASUREMENT OF CARDIORESPIRATORY AND MUSCULOSKELETAL ACTIVITY OF THE PHYSICALLY IMPAIRED AT THE BEDSIDE AND DURING TREATMENT AND JOB TRAINING. L. A. Geddes, Ph.D.

To complement the capacity to measure *cardiorespiratory and musculoskeletal activity* through the implementation of reliable clinical indicators.

RT-4-C-2 (62-2). STRUCTURE OF MUCOPOLYSACCHARIDE AND MUCOPROTEIN MOIETY OF SUB-MAXILLARY AND SUBLINGUAL MUCOCUS SECRETIONS FROM HEALTHY CHILDREN AND FROM THOSE WITH CYSTIC FIBROSIS. G. M. Harrison.

To determine the chemical structure and properties of a pure mucoprotein and a pure mucopolysaccharide isolated selectively from the sublingual and submaxillary glands of *cystic fibrosis* patients.

RT-4-C-1 (62-3). VOCATIONAL EVALUATION AND TRAINING FOR THE SEVERELY PHYSICALLY DISABLED; DEVELOPMENT OF PRE-VOCATIONAL TESTING, ADJUSTMENT, INHOSPITAL TRAINING AND STUDY OF THE SOCIAL ADJUSTMENT OF THE SEVERELY DISABLED. L. A. Leavitt, M.D.

To establish a prevocational unit for the severely disabled and to develop job categorization and job trials based upon prevocational *evaluation of work potentials*.

RT-4-C-1 (62-5). NEUROMUSCULAR ELECTROPHYSIOLOGY. C. Peterson, M.D.

To continue and develop basic studies of the neurophysiological and muscular derangements in *neuromuscular disease*.

RT-4-C-1 (62-4). AUTOMATIC DATA PROCESSING AND COMPUTING FOR MEASUREMENT OF DISABILITY, ANALYSIS, AND PROGRAMMING OF TREATMENT AND OPTIMAL SCHEDULING OF INSTITUTIONAL FACILITY AND SERVICE USAGE. C. Vallbona, M.D.

To continue in the implementation and refining of the use of *automatic data processing* equipment in order to anticipate the needs of the patients.

RT-4-C-2 (63-2). DEVELOPMENT OF QUANTITATIVE METHODOLOGY FOR STUDYING SPASTICITY. W. C. Beasley, Ph.D.

To develop a quantitative methodology for use in a concurrent investigation on pathophysiology and clinical management of patients with *spasticity* of varying severity and etiology.

RT-4-C-2 (63-2). ANALYSIS OF TRANSIENT CARDIOVASCULAR RESPONSE TO EXERCISE. D. Cardus, M.D.

To develop a technique for the objective measurement of the *heart rate*.

RT-4-C-4 (63-4). EARLY TREATMENT OF SPINAL CORD INJURED PATIENTS. R. Edward Carter, M.D.

To increase the potential benefits that can be derived from early *tilting* of *quadriplegic* patients.

RT-4-C-2 (63-1). ENZYME STUDIES ON CHILDREN WITH CYSTIC FIBROSIS OF THE PANCREAS. G. M. Harrison.

To evaluate the effectiveness of the alpha and beta *amylase* administered parentally as a *mucolytic agent* its total effect on the host.

RT-4-C-2 (63-). ANALYSIS OF THE FREQUENCY COMPONENTS OF ELECTROMYOGRAMS AS A POSSIBLE EARLY DIFFERENTIAL DIAGNOSTIC TEST IN MUSCLE FIBER LESIONS. C. R. Peterson, M.D.

To produce a quantitative value for the *electromyographic study* of myopathy.

RT-4-C-2 (63-). CORRELATION OF MEASUREMENTS OF CARDIAC DYNAMICS AND BIOCHEMICAL STRESS IN PATIENTS WITH CHRONIC DISABILITIES. C. Vallbona, M.D.

To quantify the *adrenal response* to the various modalities of *physical activity*, and to correlate the degree of adrenal-cortical and adrenal-medullar response with cardiodynamics of these patients.

RT-4-C-2 (63-2). DEVELOPMENT OF A METHOD OF AUTOMATIC PROCESSING OF INFORMATION COLLECTED AT THE BEDSIDE. C. Vallbona, M.D.

To provide a method to facilitate the *collection of data* on each research patient, and to provide data reports to the clinical investigators.

RT-4-C-2 (63-2). EVALUATION OF THE USEFULNESS OF THE RESPIRATION-HEART REFLEX AS AN INDICATOR OF FUNCTIONAL DISTURBANCES OF THE BRAIN IN PATIENTS WITH A DISEASE OR INJURY OF THE CENTRAL NERVOUS SYSTEM. C. Vallbona, M.D.

To evaluate the effect of the *central nervous system lesions* on the respiration-heart rate reflex.

RT-4-C-2 (63-2). MALABSORPTION IN THE IMMOBILIZED PATIENT. C. Vallbona, M.D.

To determine the effect of prolonged *immobilization* due to paralysis on the *intestinal absorption* of lipids and carbohydrates.

RT-4-C-2 (64-4). NEUROMUSCULAR PATHOLOGY. R. E. Carter, M.D.

To launch a long-term study of the natural

history and results of therapy in primary *muscle disease*.

RT-4-C-2 (64-1). STUDIES ON THE EFFECTIVENESS OF DRUGS ON THE PREVENTION OF POSTURAL HYPOTENSION IN QUADRIPLEGIC PATIENTS.
R. E. Carter, M.D.
To evaluate the possible preventive effect of the postural *hypotension* in *quadriplegics* by use of 9-alpha-fluorohydrocortisone.

RT-4-C-2 (64-2). SKIN RESISTANCE VARIABLES IN PARAPLEGICS. Marcus Fuhrer, Ph.D.
To examine several aspects of *skin resistance in paraplegic* patients with complete transections of the spinal cord.

RT-4-C-2 (64-3). DEVELOPMENT OF SPINE ALIGNMENT OF ROENTGENOGRAMS FOR CLINICAL USE IN THE ABNORMAL SCOLIOTIC AND KYPHOTIC SPINE. P. R. Harrington, M.D.
To develop a series of measurement criteria for clinical evaluation of *scoliotic and kyphotic spine*.

RT-4-C-2 (64-2). DEVELOPMENT OF SPINE ALIGNMENT ANALYSIS OF ROENTGENOGRAMS FOR CLINICAL USE IN THE NORMAL HUMAN SPINE. P. R. Harrington, M.D.
To determine the *spine alignment* (head over pelvis) of a normal individual, and by simulated walking positions to determine what spinal curves occur.

RT-4-C-2 (64-1). CLINICAL EVALUATION OF CUTANEOUS VESICOTOMY. T. Laskowski.
To test the efficacy of cutaneous vesicotomy as a means of urinary diversion.

RT-4-C-2 (64-1). STUDY OF TRYPTOPHANE METABOLISM IN SYSTEMIC CONNECTIVE TISSUE DISORDERS.
J. T. Sharp.
To study patients with *connective tissue disease* from the standpoint of excretion of tryptophan metabolites in the urine.

RT-4-C-2 (64-1). EVALUATION OF A SYSTEM FOR PHYSIOLOGICAL MONITORING AT THE BEDSIDE.
C. Vallbona, M.D.
To develop a system to monitor as well as to evaluate the *physiological conditions* in acute life-threatening conditions and during the first 72 hours after surgery.

RT-4-C-2 (64-2). MONITORING OF THE EFFECT OF GENERAL ANESTHESIA AND SURGERY ON THE INSTANTANEOUS HEART RATE. C. Vallbona, M.D.
To evaluate the practicality of adapting the existing *bedside monitor* for use in the operating room.

RT-4-C-2 (64-2). STUDY OF MUSCLE STRENGTH RECOVERY IN ACUTE IDIOPATHIC POLYNEURITIS.
C. Vallbona, M.D.
To evaluate the pattern of *recovery of muscle strength* on all patients admitted with the diagnosis of *Guillain-Barre Syndrome*.

RT-4-C-2 (65-1). A STUDY OF THE FLEXION-EXTENSION VARIABLES IN THE ASYMPTOMATIC CERVICAL SPINE. J. M. Andrews, M.D.
To develop a methodology for measurement of range of motion during flexion and extension of individual *cervical intervertebral articulations* in asymptomatic patients.

RT-4-C-2 (65-1). MEASUREMENT OF THE RANGE OF MOTION, DURING FLEXION AND EXTENSION, OF THE INDIVIDUAL CERVICAL INTERVERTEBRAL ARTICULATIONS.
J. M. Andrews, M.D.
An objective, reproducible method of measuring *flexion-extension range* of the cervical spine as well as the individual cervical articulations.

RT-4-C-2 (65-). NEUROMUSCULAR RE-EDUCATION OF THE PATIENT WITH HEMIPLEGIA WITH THE AID OF ELECTROMYOGRAPH. J. M. Andrews, M.D.
To describe a new simple approach to the old problem of *neuromuscular reeducation* of the *hemiplegic* patient.

RT-4-C-2 (65-). STUDIES OF LANGUAGE IMPAIRMENT IN CEREBROVASCULAR DISEASE. Tina Bangs, Ph.D.
To explore the extent to which quantifiable tests of verbal behavior can be used to measure the success of therapy for *language impairment*.

RT-4-C-2 (65-). ERGONOMIC KINESIOLOGIC FACTORS ON STROKE PATIENTS. W. C. Beasley, Ph.D.
To develop and validate a *systematic methodology* that may have both diagnostic and prognostic value eventually for certain types of patients.

RT-4-C-4 (65-2). DEVELOPMENT, VALIDATION, AND CLINICAL APPLICATION OF QUANTITATIVE METHODOLOGY IN STUDIES OF SPASTICITY.
W. C. Beasley, Ph.D.
To develop sensitive, quantitative methods for measuring features of neuromuscular responses that are regarded clinically as constituting facets of the *spasticity* syndrome.

RT-4-C-2 (65-). ANALYSIS OF QUANTITATIVE MUSCLE TESTS ON NORMAL AND POSTPOLIOMYELITIS PATIENTS. W. C. Beasley, Ph.D.
To facilitate the coding and analysis of data which consists of measurements on some 40 *muscular actions* and varying in size from 1000 to 6000 persons with ages ranging from 5 to 90 years.

RT-4-C-2 (65-1). MATHEMATICAL TRANSFORMATIONS OF THE ELECTROCARDIOGRAM. L. Cady, Jr., M.D.
To demonstrate that orthogonal factors will correlate with standard lead *cardiograms*.

RT-4-C-5 (65-3). BODY COMPOSITION DETERMINATIONS ON PARALYTIC PERSONS. David Cardus, M.D.
To document changes in *body composition* of patients with extensive muscular *paralysis*.

RT-4-C-2 (65-10). AN EVALUATION OF THE ROUTINE SCALP ELECTROENCEPHALOGRAM IN THE DETECTION OF CEREBROVASCULAR INSUFFICIENCY.
J. W. Crawley, M.D.
To determine whether certain changes in the EEG are concomitants of normal aging or are the sign of impending *cerebrovascular insufficiency*.

RT-4-C-2 (65-). GENERAL PHYSICAL AND NEUROLOGICAL EXAMINATION. William S. Fields, M.D.
To establish quantifiable and reproducible measurements of the multiplicity of *interacting factors* accounting for differences in functional performance and response to management.

RT-4-C-2 (65-). ANATOMICAL PHYSIOLOGICAL STUDIES DURING CEREBRAL ANGIOGRAPHY.
William S. Fields, M.D.
To acquire anatomical and physiological data on the *cerebral vasculature* by means of angiography with the intention of developing safe and clinically applicable methods superior to those available at the present time.

RT-4-C-2 (65-). ALTERATIONS IN INFORMATION PROCESSING AS A FUNCTION OF LATERALIZED CEREBRAL IMPAIRMENTS. Marcus J. Fuhrer, Ph.D.
To study the *gating process* and its flexibility.

RT-4-C-2 (65-2). BODY IMAGE OF NORMAL AND PARAPLEGIC SUBJECTS. Marcus J. Fuhrer, Ph.D.
To determine the contribution which proprioceptive experience makes to an individual's *body image*.

RT-4-C-2 (65-1). COGNITIVE FACTORS IN THE DIFFERENTIAL CLASSICAL CONDITIONING OF AUTOMATIC RESPONSES. Marcus J. Fuhrer, Ph.D.
To discern the interrelationships among ideational and physiological changes which occur during *Pavlovian conditioning*.

RT-4-C-2 (65-2). CONCEPTIONS OF THE NURSING ATTENDANT'S ROLE. Marcus J. Fuhrer, Ph.D.
To determine the degree to which nursing attendants, nurses, and patients have concordant conceptions of the *nursing attendant's* work role.

RT-4-C-2 (65-1). FUNCTIONAL IMPLICATIONS OF CEREBRAL-VASCULAR ACCIDENTS FROM A MULTIDISCIPLINARY VIEWPOINT. Marcus J. Fuhrer, Ph.D.
To provide complementary data for an ongoing investigation concerned with the visual-spatial *perception of the hemiplegic*.

RT-4-C-4 (65-2). LATERAL ASYMMETRY OF PERIPHERAL AUTONOMIC INDICES OF ORIENTING RESPONSES IN UNILATERALLY BRAIN-DAMAGED SUBJECTS.
Marcus J. Fuhrer, Ph.D.
To determine if differentially lateralized *cerebral lesions* also affect habituation.

RT-4-C-2 (65-1). PSYCHOLOGICAL EFFECTS OF EXPERIMENTALLY INDUCED BEDREST.
Marcus J. Fuhrer, Ph.D.
To investigate *psychological changes* as a function of enforced *bedrest*.

RT-4-C-5 (65-5). COMPUTER RECORDING OF CLINICAL DATA OF OPERATED SCOLIOTIC PATIENTS.
Paul R. Harrington, M.D.
To develop a computer program for identifying, storing, and manipulating data that is obtained from operated *scoliotic patients*.

RT-4-C-2 (65-2). STRESS ANALYSIS OF THE HARRINGTON DISTRACTION ROD. P. R. Harrington, M.D.
To determine the endurance limit of the *Harrington Distraction Rod* under different conditions of loading.

RT-4-C-2 (65-). MEASUREMENT OF REGIONAL CEREBRAL FLOW EMPLOYING RADIOISOTOPES. Phillip C. Johnson.
To obtain procedures to measure changes in *brain flow*.

RT-4-C-2 (65-). CLINICAL APPLICATION OF QUANTITATIVE METHODOLOGY IN EVALUATING EFFECTS FROM SPASMOLYTIC MEDICATION ON SPASTICITY AND HYPERTONICITY. L. A. Leavitt, M.D.
To draw conclusions that relate to more effective means for clinical management of patients with spasticity and to search for a better understanding of the pathophysiology of the processes involved in *spasticity*.

RT-4-C-2 (65-). MANAGEMENT OF STROKE PATIENTS.
L. A. Leavitt, M.D.
To develop an array of techniques and strategies to manage *stroke patients*.

RT-4-C-2 (65-1). THE EFFECTS OF 4-HYDROXYPYRAZOLO-(3, 4d) PYRIMIDINE IN PATIENTS WITH GOUT.
M. D. Lidsky, M.D.
To evaluate the long term effect(s) of 4-HPP in patients with *gout*.

RT-4-C-4 (65-1). AN ELECTROMYOGRAPHIC STUDY TO MAP THE AREA OF LOWER MOTOR NEURON DESTRUCTION IN TRAUMATIC QUADRIPLEGIA.
Charles R. Peterson, M.D.
To map out on patients with traumatic *quadriplegia* the area of upper and lower neuron damage.

RT-4-C-2 (65-). EVALUATION OF THE ELECTRICAL ACTIVITY OF THE MUSCLE SPINDLE IN MUSCULAR DYSTROPHY AND POSSIBLE APPLICATIONS TO THE INVESTI-

GATION OF POTENTIALLY EFFECTIVE SKELETAL MUSCLE RELAXANTS. C. R. Peterson, M.D.

To evaluate possible applications of electrical activity of the muscle spindle to the investigation of effective skeletal *muscle relaxants* in cases of *muscular dystrophy*.

RT-4-C-4 (65-). DEVELOPMENT OF A COMPUTER PROGRAM FOR THE CALCULATION OF FLUID AND ELECTROLYTE REQUIREMENTS OF CRITICALLY ILL PATIENTS AND EVALUATION OF ADEQUACY OF THE COMPUTED CALCULATION. C. Vallbona, M.D.

To develop a *computer program* for the estimation of fluid and electrolyte requirements of critically ill patients and a built in evaluation system that determines the adequacy of the computed calculation.

RT-4-C-2 (65-). SAMPLE RESEARCH PROJECT ON COMPUTER PROCESSING OF CLINICAL RESEARCH DATA. C. Vallbona, M.D.

To develop a *data processing* of clinical research data in the proposed stroke program.

RT-4-C-4 (66-). STUDY OF ADRENAL MEDULLARY RESPONSES TO HYPOTENSION IN QUADRIPLEGIA. C. Vallbona, M.D.

To study adrenal response to *hypotension in quadriplegia*.

RT-4-C-2 (65-1). THE EFFECT OF EXERCISE PROCEDURES AND/OR INTERMITTENT CUFF INFLATION TO THE LOWER EXTREMITIES IN REDUCING OR PREVENTING THE CARDIOVASCULAR DECONDITIONING OF BEDREST. F. B. Vogt, M.D.

To evaluate the possible preventive effects of exercise and intermittent venous occlusion on *cardiovascular deconditioning*.

RT-4-C-2 (65-). THE EFFECT OF INTERMITTENT CUFF INFLATION TO THE FOUR EXTREMITIES IN PREVENTING THE CARDIOVASCULAR DECONDITIONING OF WATER IMMERSION. F. B. Vogt, M.D.

To perform an evaluation of the effect of *intermittent leg cuff inflation* on the venous pressure of the leg.

RT-4-C-4 (66-5). PRE- AND POST-OPERATIVE EXERCISE TOLERANCE OF PATIENTS WITH SCOLIOSIS. David Cardus, M.D.

To find out whether surgical correction of *scoliosis*, or the deviation of the vertebral column reverses, prevents, or slows down this deterioration of the cardiopulmonary function.

RT-4-C-4 (66-3). ANALYSIS OF THE CIRCADIAN RHYTHMS OF ADRENAL FUNCTION IN PATIENTS WITH QUADRIPLEGIA. J. Claus-Walker, Ph.D.

An analysis of the circadian rhythm of the *adrenal function* before and after rehabilitation in quadriplegic cases.

RT-4-C-4 (66-). COMPARISON OF STRUCTURAL AND PHYSIOLOGICAL PROPERTIES OF MUCOID STRAINS OF PSEUDOMONAS AERUGINOSA FROM PATIENTS WITH CYSTIC FIBROSIS AND NORMAL SUBJECTS. Robert C. Doggett.

To compare the structural and physiological properties of mucoid strains of *pseudomanas aeruginosa* from patients with *cystic fibrosis* and normal subjects.

RT-4-C-4 (66-2). KINEMATIC STUDIES OF UPPER EXTREMITY MOVEMENTS OF NORMAL INDIVIDUALS AS COMPARED TO PATIENTS WITH POWERED ASSISTANCE. Thorkild J. Engen, C.O.

To observe the use of the arm, first without *orthotic equipment* and then with the arm orthosis without external power to aid in identifying necessary mechanical changes in orthotic equipment.

RT-4-C-4 (66-3). POWERED UPPER EXTREMITY ORTHOTIC DEVELOPMENT. Thorkild J. Engen, C.O.

To develop *orthotic systems* that are externally powered and meet criteria of simplicity, functional efficiency, and cosmetic acceptability.

RT-4-C-5 (66-). ALTERATIONS OF VISUAL-SPACE PERCEPTION AS A FUNCTION OF LATERALIZED BRAIN DAMAGE SECONDARY TO CEREBROVASCULAR DISEASE. Marcus J. Fuhrer, Ph.D.

To develop new indices for detecting anomalies of *visual-space perception*.

RT-4-C-5 (66-3). COGNITIVE FACTORS IN THE DIFFERENTIAL CLASSICAL CONDITIONING OF AUTONOMIC RESPONSES. Marcus J. Fuhrer, Ph.D.

To analyze the learning process as it is reflected in the human subject's *autonomic and verbal functioning*.

RT-4-C-5 (66-2). OBJECTIVE DETERMINATION OF BODY-IMAGE ALTERATIONS INDUCED BY SPINAL CORD LESIONS. Marcus Fuhrer, Ph.D.

To test the hypothesis that *spinal cord injured patients* would be less accurate than normals in estimating the size of body parts which are below the lesion, but would not differ in estimation of other objects or body parts.

RT-4-C-5 (66-2). TIME-DEPENDENT CHANGES IN ELECTRODERMAL ACTIVITY FOLLOWING SPINAL-CORD INJURY. Marcus Fuhrer, Ph.D.

To obtain basic data on the neurogenesis of *electrodermal activity* and to implement measurements of electrodermal activity as a way of studying the sympathetic nervous system functioning in the *spinal cord injured* patients.

RT-4 (66-5). A FIVE-YEAR ROENTGENGRAPHIC FOLLOW-UP EVALUATION OF THE HARRINGTON SPINE INSTRUMENTATION AND FUSION PROCEDURE. P. R. Harrington, M.D.

To evaluate the *Harrington Spine Instrumentation and Fusion procedure* for a period of five

years to evaluate the results of the operative procedure.

RT-4-C-5 (66-5). COMPUTER RECORDING OF CLINICAL DATA OF NON-OPERATED SCOLIOTIC PATIENTS. P. R. Harrington, M.D.

To obtain, store, and statistically analyze clinical data of nonoperated *scoliotic patients*.

RT-4-C-4 (66-). STRUCTURE AND CHEMISTRY OF THE LABIAL MUCOUS SALIVARY GLANDS IN PATIENTS WITH CYSTIC FIBROSIS. G. M. Harrison.

To come to a basic understanding of the structural and biochemical process that takes place when there is an increase in the mucoid substances produced by the exocrine glands of patients with *cystic fibrosis*.

RT-4-C-5 (67-). MEASUREMENT OF SYMPATHETIC NEUROHORMONES IN THE PLASMA OF RACE CAR DRIVERS. J. Claus-Walker, Ph.D.

To test the hypothesis that the physiological changes observed are due to an increased *neurohormone* release from the nerve endings.

RT-4-C-5 (67-3). ELECTRODERMAL ACTIVITY OF SPINAL-CORD INJURED PATIENTS. Marcus Fuhrer, Ph.D.

To use electrodermal methodology to explore the hypothesis that functional *transection of the human spinal cord* may not eliminate afferent neural input to the brain from sites below the level of the lesion.

RT-4-C-5 (67-2). COMPARATIVE ANALYSIS OF 36 ROENTGENOGRAMS OF NORMAL AND SCOLIOTIC YOUNG FEMALES. P. R. Harrington, M.D.

To collect measurement data of the normal axial skeleton for comparison with measurements of *scoliotic axial skeleton* in order to determine the magnitude and direction of any discrepancies.

RT-4-C-5 (67-1). EFFECT OF ACTIVE MOVEMENT ON BODY-PART SIZE ESTIMATES. Gene Hester.

To assess whether the effects of active movement are attributable to facilitating proprioceptive experience of the body part or to enhancement of the subject's attention to the *judgment procedure*.

RT-4-C-5 (67-4). AUDIOVISUAL AMPUTEE REHABILITATION EDUCATION FOR THE NEW AMPUTEE. Vincent Kitowski, M.D.

To determine the progress of a test group and a control group in terms of length of time required for satisfactory *prosthetic utilization*.

RT-4-C-5 (67-). INTENSIVE STROKE REHABILITATION TREATMENT VS. THE HOME CARE PROGRAM. Vicent J. Kitowski, M.D.

To obtain an objective statistical evaluation of the *functional change* in patients subjected to an intensive 6-week *hemiplegic rehabilitation* program, as compared to a control group on a home care program.

RT-4-C-5 (67-3). KINESIOLOGICAL AND QUANTITATIVE EVALUATION OF THE PROSTHETIC FIT AND GAIT ANALYSIS IN AMPUTEES WITH VOCATIONAL IMPLICATIONS. L. A. Leavitt, M.D.

To develop a methodology to measure and correlate the pressure sustained by the tissue at the interface of the *prosthetic* socket during *ambulatory phase*.

RT-4-C-5 (67-1). SENSE OF COMPETENCE IN SPINAL CORD INJURED PERSONS. Henry Meyerson, Ph.D.

To determine if the degree of physical disability is systematically related to the sense of competence, and if the sense of competence of the *spinal-cord injured patients* differs from that of normals.

RT-4-C-6 (67-). EFFECT OF CARDIAC GLYCOSIDES ON HYDROCEPHALUS. C. R. Neblett, M.D.

To determine the effect of cardiac glycosides on *hydrocephalus*.

RT-4-C-5 (67-1). SYMPATHETIC RESPONSIVITY IN HEMIPLEGIA. David G. Simons, M.D.

To test the relationship between alterations of motor functioning and peripheral sympathetic activity following *unilateral brain damage*.

RT-4-C-5 (67-2). CORRELATION BETWEEN MUSCLE STRENGTH RECOVERY AND LUNG COMPARTMENT CHANGES IN ACUTE IDIOPATHIC POLYNEURITIS. C. Vallbona, M.D.

To test the correlation between muscle strength recovery and lung compartment changes in acute idiopathic *polyneuritis*.

RT-4-C-5 (67-3). ELECTROCARDIOGRAPHIC STUDY IN MUSCULAR DYSTROPHY. C. Vallbona, M.D.

To determine the value of the ECG to detect early cardiac disturbances in patients with *muscular dystrophy*.

RT-4-C-5 (67-2). EVALUATION OF ELECTRICAL IMPEDANCE TECHNIQUES IN QUANTIFICATION OF RESPIRATORY IMPAIRMENTS. C. Vallbona, M.D.

To develop adequate methods to measure *respiratory performance* without undue restraint to the patient.

RT-4-C-5 (67-1). PSYCHOSEXUALITY FOLLOWING FUNCTIONAL TRANSECTION OF THE SPINAL CORD. Shalom Vineberg, Ph.D.

To identify and classify problems created by limitations of *sexual functioning*.

RT-4-C-6 (68-3). DEVELOPMENT AND TESTING OF A METHOD FOR QUANTIFYING NURSING CARE AND NURSING PERFORMANCE. Frances Brush, R.N.

To establish a method by which the quality and quantity of *nursing care* and nursing needs

of the patients can be objectively measured and evaluated.

RT-4 (68-2). EVALUATION OF THE KUBICEK METHOD OF MEASUREMENT OF CARDIAC OUTPUT.
David Cardus, M.D.
To measure *cardiac output* using simultaneously the *Kubicek method* and the single breath method.

RT-4 (68-3). DESIGN AND TEST OF A SYSTEM FOR COLLECTION AND STATISTICAL ANALYSIS OF DATA ON QUADRIPLEGIC PATIENTS. R. E. Carter, M.D.
To design and test a system for collection of data on patients with *spinal cord lesion* and to carry out statistical analysis of the data.

RT-4 (68-2). STUDY OF ADRENAL RESPONSES TO STRESS IN QUADRIPLEGIA. J. Claus-Walker, Ph.D.
To investigate the effects of infection, allergy, surgery, and urecholine upon urinary excretion of *adrenal secretions in quadriplegia.*

RT-4-C-6 (68-2). MODULATION OF POSTERIOR PITUITARY HORMONES SECRETION.
J. Claus-Walker, Ph.D.
To evaluate the similarity of synthesis, storage, and chemical configuration of posterior *pituitary hormones* secretion in patients with a spinal cord section.

RT-4-C-6 (68-3). DEVELOPMENT AND TESTING OF A METHOD FOR QUALIFYING NURSING CARE NEEDS AND NURSING PERFORMANCE. Sudie Cornell.
To develop a two-dimensional Q instrument and to measure the *nursing care* needs of a group of patients.

RT-4-C-6 (68-1). TASK-PERFORMANCE OF SPINAL-CORD INJURED INDIVIDUALS AS A FUNCTION OF THE LEVEL OF MOTIVATIONAL DEMAND.
Marcus Fuhrer, Ph.D.
To test the hypothesis that *spinal cord injury* affects the patient's performance capabilities by altering fundamental *motivational processes.*

RT-4-C-6 (68-3). COLLECTION AND ANALYSIS OF CLINICAL DATA ON SCOLIOTIC PATIENTS.
P. R. Harrington, M.D.
To implement the selection and assessment of treatment methods relative to the *scoliotic problem* by means of clinical data evaluation.

RT-4-C-6 (68-3). THE MASS SCREENING OF NEWBORN INFANTS FOR CYSTIC FIBROSIS (NEUTRON ACTIVATION ANALYSIS OF TRACE ELEMENTS IN TISSUE-NAIL CLIPPINGS). Gunyon M. Harrison.
To develop a diagnostic procedure for *cystic fibrosis.*

RT-4-C-6 (68-3). A COMPARISON OF THE EFFECTIVENESS OF AN OPEN VERSUS A TRANSURETHRAL METHOD OF DESTROYING EXTERNAL URETHRAL SPHINCTERIC FUNCTION IN PATIENTS WITH NEUROGENIC BLADDERS. F. B. Scott.
To enable a patient to have adequate emptying of his lower urinary tract without the aid of indwelling catheters or other devices than an external collecting device in patients with *neurogenic bladders.*

RT-4-C-6 (68-2). THE EFFECT OF DIAZEPAM INJECTABLE ON MICTURITION. F. B. Scott.
To evaluate the effects of diazepam on the *micturition* of healthy individuals and patients with detrusor, sphincter dyssnergia.

RT-4-C-6 (68-5). STUDY OF THE NATURAL HISTORY OF RHEUMATOID ARTHRITIS. John T. Sharp.
To assess the course of *rheumatoid arthritis* and to determine features in the illness that are of prognostic significance.

RT-4-C-5 (68-1). EVALUATION OF A REDUCED GRAVITY SIMULATOR FOR EARLY AMBULATION OF THE DISABLED. C. Vallbona, M.D.
To evaluate *cardiovascular responses,* whether or not the suspension slings in the respiratory system have restrictive effect on respiratory function.

RT-4-C-6 (68-3). PROSPECTIVE STUDY OF THE RATE OF RECOVERY OF THE MUSCLE STRENGTH IN POLYNEURITIS. C. Vallbona, M.D.
To test a mathematical model used to predict the rate of recovery of new patients with *polyneuritis* or *polymyelitis.*

RT-4-C-6 (68-2). STUDY OF CARDIOVASCULAR RESPONSES OF ORTHOSTATIC HYPOTENSION IN PATIENTS WITH CERVICAL CORD TRANSECTION.
C. Vallbona, M.D.
To study *cardiovascular* changes in *response* to effects of gravity.

RT-4-C-6 (69-2). DESCRIPTION AND EVALUATION OF TIRR AS A SOCIAL AND THERAPEUTIC INSTITUTION.
Shalom E. Vineberg, Ph.D.
To study TIRR as a social organization and as a *treatment facility,* utilizing naturalistic methods.

RT-4-C-2 (66-1). VISUAL-SPATIAL PERCEPTION OF THE HEMIPLEGIC. Marcus Fuhrer, Ph.D.
To ellucidate the possible impairment which may affect *rehabilitation potential.*

RT-4-C-2 (65-2). INVESTIGATION OF EVOKED EMG POTENTIALS (DUAL PULSE "H" WAVE) AS A MEANS FOR CLASSIFYING DEGREES OF SPASTICITY AND RESPONSE TO THERAPY. L. A. Leavitt, M.D.
To standardize the method of *needle placement and recording.*

RT-4-C-2 (65-). QUANTITATIVE EVALUATION OF BRACING AND TRAINING ON THE GAIT OF HEMIPLEGICS

AND FLACCID LOWER EXTREMITY PARALYSES.
L. A. Leavitt, M.D.
An extension of the project "kinesiological and quantitative evaluation of *prosthetic fit and gait analysis in amputees.*"

RT-4-C-2 (65-). A STUDY AND EVALUATION OF PARENTERAL AMYLASE IN AMELIORATING THE SEVERE PULMONARY SYMPTOMS OF CYSTIC FIBROSIS.
T. A. Patrick.
To test the hypothesis that a chronic, low serum amylase plays a role in the severity of the symptoms of *cystic fibrosis.*

RT-6-C-2 (66-1). HEART DISEASE, CANCER, AND STROKE: A STUDY OF ATTITUDES. Samuel B. Chyatte, M.D.
To determine the value of a *training course* in terms of effect on *attitudes* of policy making personnel.

RT-6-C-2 (67-5). MOTION-TIME STUDY ASSESSMENTS IN BRAIN DAMAGE. Samuel B. Chyatte, M.D.
To identify and quantify the nature of *brain damage* as reflected in upper extremity *motor performance,* motor recovery, and effects of treatment.

RT-6-C-3 (67-1). PSEUDOHYPERTROPHY AND MUSCLE STRENGTH. Samuel B. Chyatte.
To better understand the nature of weakness and pseudohypertrophy in *muscular dystrophy.*

RT-6-C-3 (67-1). A DETACHABLE MOTORIZED UNIT FOR A WHEELCHAIR. Marlin B. Ewing.
To design and fabricate the prototype of a detachable power unit for a *wheelchair.*

RT-6-C-2 (66-5). A NEW RADIOGRAPHIC METHOD TO MEASURE HIP JOINT PARAMETERS IN SUSCEPTIBLE POPULATIONS (CEREBRAL PALSIED CHILDREN).
Marlin B. Ewing.
To perfect a new radiographic technique for accurately measuring the angular *parameters of the hip joint.*

RT-6-C-3 (67-1). CARDIAC REHABILITATION.
M. Skorapa, M.D.
To develop proficiency in operating the *treadmill exercise unit.*

RT-6-C-3 (67-3). RECOVERY OF FUNCTION AFTER BRAIN DAMAGE. Margery Murray.
To investigate the recovery of function after *brain damage.*

RT-6-C-3 (67-1). IMPEDANCE VECTOR LENGTH AND PHASE ANGLE IN HUMAN BRAIN. Bryan Robinson, Ph.D.
To increase the ability of the *impedance technique* to distinguish between regions of the *brain.*

RT-6-C-3 (67-3). IMPEDANCES OF PATHOLOGICAL HUMAN BRAINS. Bryan Robinson, M.D.
To scan pathological human *brains* for *impedance* abnormalities.

RT-6-C-3 (67-2). REGIONAL IMPEDANCES IN HUMAN BRAIN. Bryan Robinson, M.D.
To survey regional *impedances* in the human forebrain and portions of the *brain* stem and cerebellum.

RT-6-C-3 (67-1). REHABILITATION OF BRAIN-DAMAGED PRIMATES BY BRAIN TELESTIMULATION.
Bryan Robinson, M.D.
To investigate the effectiveness of brain *telestimulation* as a means of manipulating social factors.

RT-6-C-3 (67-3). THE EFFECT OF VALUE ORIENTATIONS ON INVOLVEMENT IN MEDICAL TREATMENT AND REHABILITATION. Sherwood B. Slater, Ph.D.
To use survey procedures to study the *outcome of treatment* of those accepting the fact that they suffer a given disease.

RT-6-C-3 (67-1). FUNCTION OF THE GASTROCNEMIUS MUSCLE AFTER INJECTION OF PHENOL INTO THE MOTOR POINTS OF SPASTIC PATIENTS.
Stephen Tolber.
To study *gastrocnemius function* following phenol and procaine injections in *spastic patients.*

RT-6-C-3 (67-5). GLUCOSE FUEL CELL. Hal Warner.
To develop a *glucose fuel cell* which will furnish sufficient electrical power to drive a cardiac pacemaker.

RT-6-C-3 (67-1). CARE OF THE GENITO-URINARY SYSTEM IN THE CORD INJURED PATIENT. Jack Wayer.
A survey to determine the type of management of the *genitourinary system* and its relation to outcome of the *cord injured* patient.

RT-6-C-3 (67-). THE INCIDENCE OF VARIOUS PATTERNS OF ANTINUCLEAR FLOURESENCE IN THE RHEUMATIC DISEASES AND THE CORRELATION WITH SPECIFIC DISEASE ENTITIES USING THE INDIRECT TISSUE TECHNIQUE. C. H. Wilson, Jr., M.D.
To firmly document various *rheumatic diseases* and diagnosis, and to indicate the programs of the disease.

RT-6-C-4 (68-1). BIO-ENGINEERING CONCEPTS IN EVALUATING THE VOCATIONAL LEVELS OF THE HANDICAPPED WORKER. Samuel B. Chyatte, M.D.
To analyze, match, hire, train, and *evaluate* V.R. clients for on-the-job performance on textile machinery in commercial mills using bioengineering.

RT-6-C-4 (68-1). FUNCTIONAL RESTORATION OF THE BURNED PATIENT. S. B. Chyatte, M.D.
To determine the degree of immobilization of

dressing system, optimum positioning of joints, and rate of return to normal of motion of *burned patients*.

RT-6-C-4 (68-3). NORMAL PRE-THRESHOLD MOTOR LEARNING: A MOTION-TIME STUDY ANALYSIS. S. B. Chyatte, M.D.
To study normal subjects as they approach an unfamiliar *motor task* and resolve it to the point of systematic performance.

RT-6-C-4 (68-1). PREDICTIVE ABILITIES OF PREDETERMINED TIME SYSTEM VERSUS PRESENT SYSTEM OF DETERMINING VOCATIONAL POTENTIAL. S. B. Chyatte, M.D.
To reduce the extensive *evaluation of patients* by a standardized time procedure.

RT-6-C-4 (68-1). SPLINTING THE EGUINO-VARUS DEFORMITY IN MUSCULAR DYSTROPHY. S. B. Chyatte, M.D.
To prevent or correct a deformity commonly seen in *muscular dystrophy*.

RT-6-C-4 (68-3). USE OF TELESIMULATION IN NEURAL REHABILITATION. Adrian A. Perachio.
To test the effectiveness of electrical stimulation of *sexual performance* following *spinal cord injury*.

RT-6-C-4 (68-3). HEMIPLEGIA DUE TO ACCIDENTS OF THE ANTERIOR CEREBRAL ARTERY. M. Peszczynski, M.D.
To investigate the electrodiagnostic features of muscle and nerve in *hemiplegic* patients with predominantly crural involvement.

RT-6-C-4 (68-1). SUBLUXATION OF THE SHOULDER ON THE HEMIPLEGIC SIDE. M. Peszczynski, M.D.
To establish the initial timing of subluxation of the shoulder on the *hemiplegic* side.

RT-6-C-4 (68-3). THE EFFECTS OF A COURSE IN PHYSICAL MEDICINE ON MEDICAL STUDENTS' ATTITUDES TOWARDS DISABLED PERSONS AND THEIR INTEREST IN PHYSICAL MEDICINE. S. B. Slater, Ph.D.
To evaluate the *attitudes of medical students* before and after exposure to a sequence on physical medicine.

RT-6-C-4 (68-2). STUDIES OF THE HANDICAPPED CHILD AND HIS FAMILY. S. B. Slater, Ph.D.
To study the problems of the *limb-deficient child* and his family situation.

RT-6-C-4 (68-1). ELECTRONEUROPATHOLOGICAL STUDY OF CEREBRAL HEMORRHAGE. Hal Warner.
To determine the electroneuropathology of *intracerebral bleeding* in order to reduce irreversible motor loss during and following an acute episode.

RT-6-C-4 (68-1). INFRARED PROSTHESIS FOR THE BLIND. Hal Warner.
To investigate perceived infrared images brought to a focus on skin areas of the body and eventually to develop an infrared *prosthesis* for the *blind*.

RT-6-C-5 (69-3). DEVELOPMENT OF RELIABLE TRAINING PROCEDURES FOR LINKAGE OF OVERT OPERANTS TO CONSCIOUS FIRING OF SINGLE MOTOR UNITS.
To develop a system attaching overt responses to covert responses by the *Hefferline Technique* in order to determine the effect of various treatments in the overt response.

RT-6-C-5 (69-3). INVESTIGATION OF RELATIONSHIPS BETWEEN MOTOR SKILLS AND MOTOR-UNIT TRAINING IN NORMAL AND BRAIN-DAMAGED PERSONS.
To compare gross *motor skills* of the *brain-damaged* with their activation of individual spinal motor neurons following training by a set pattern.

RT-6-C-5 (69-5). STUDIES ON THE EFFECTS OF EXTERNAL INFLUENCES ON THE PHYSIOLOGY OF MOTOR UNIT ACTIVATION.
To determine the influences of nerve stimulation, ischemia, distracting movements, and motor unit control, on the motor unit behavior in man.

RT-7 (63-5). THE DEFICITS OF RETARDED READERS: FACT OR ARTIFACT. James C. Reed, Ph.D.
To investigate the reality of deficits shown by *retarded readers*.

RT-7-C-1 (65-3). A STUDY OF HEART AND STROKE PATIENTS. Peter Kong-Ming New, Ph.D.
To build understanding of *heart and stroke patients* in friends, family, etc. ("significant others").

RT-7-C-1 (65-3). METHODS OF AUGMENTATION OF CIRCULATION IN LARGE FLAPS. Joseph Winsten, M.D.
To determine *tissue survival*.

RT-7-C-2 (66-). CLINICAL INVENTORY, STATISTICAL DESCRIPTION OF CASELOAD, BASELINE DATA FOR FUTURE INVESTIGATIONS. Hubert L. Gerstman, Ed.D.
To increase the efficiency of *record keeping* and make better use of clinical subjects for research.

RT-7-C-2 (66-). NEUROPSYCHOLOGY RESEARCH PROGRAMS. Homer Reed, Ph.D.
To demonstrate *neuropsychological impairment* which may significantly influence vocational productivity.

RT-7-C-2 (66-2). FUNCTIONAL COMMUNICATION PROFILE AS A DIAGNOSTIC AND PROGNOSTIC INSTRUMENT. N. Sheldon, Ph.D.

To strengthen the validity of the *functional communication profile*.

RT-7-C-2 (66-2). STANDARDIZATION OF A NEW INDIRECT SKIN CIRCULATION MEASUREMENT METHOD. Joseph Winsten, M.D.
To evaluate vascular status of patients through a new method of *skin circulation measurement*.

RT-7 (67-). FAMILY ADJUSTMENT TO HEART ATTACK. Ethel M. Berger, M.S.W.
To investigate *family* reaction and the role of the family in rehabilitation of the *heart attack* patient.

RT-7-C-3 (67-1). INFANT RESPONSES TO AUDITORY STIMULI. H. L. Gerstman, D.Ed.
To investigate *infant responses* to *auditory stimuli* so that potentially handicapped children may be identified for future planning.

RT-7-C-3 (67-). PSEUDO-PHONE STUDIES. H. L. Gerstman, D.Ed.
To increase appreciation of binaural listening and binaural *hearing aid evaluation* and fittings.

RT-7-C-3 (67-). REHABILITATION SCREENING PROJECT. H. L. Gerstman, D.Ed.
To increase efficiency in case handling for the Rehabilitation Institute by use of *rehabilitation screening*.

RT-7-C-3 (67-1). RELIABILITY OF AUDIOLOGIC INSTRUMENTS AND TESTS FOR VARIOUS CASE TYPES. H. L. Gerstman, D.Ed.
To increase efficiency and improve the work quality of *audiologic instruments*.

RT-7-C-3 (67-). RESEARCH PROTOCOL FOR CHILDREN. H. L. Gerstman, D.Ed.
To increase understanding of the dynamics of *diagnosis* leading to greater efficiency through development of a *research protocol* for children.

RT-7-C-3 (67-1). A STUDY OF ACOUSTIC FATIGUE. H. L. Gerstman, D.Ed.
To use the *Bekesy Audiometer* to see what effect high-speed dental drilling has on hearing.

RT-7-C-3 (67-). PSYCHIATRIC OBSERVATION OF FACTORS INFLUENCING REHABILITATION FOLLOWING CARDIAC ILLNESS. Cornelius Heijn, Jr., M.D.
To define psychosocial factors that impede or facilitate *vocational rehabilitation* in *cardiac illness*.

RT-7-C-3 (67-3). STUDY OF THE IMPACT OF IRREGULAR MEDICINE ON THE DEVELOPMENT OF ORTHODOX MEDICINE. Peter Kong-Ming New, Ph.D.
Library research project to determine the role of *irregular medicine* in American medicine before discovery of bacteria.

RT-7-C-3 (67-1). STUDY OF THE PROGRESS OF DISABLED PATIENTS IN THEIR HOME ENVIRONMENT. Peter Kong-Ming New, Ph.D.
To develop a systematic storage method of *records* of *disabled patients*.

RT-7-C-3 (67-3). NEUROPSYCHOLOGICAL EVALUATION OF PATIENTS WITH CARDIAC DISEASE. Homer Reed, Ph.D.
To ascertain how *cardiac lesions* influence *neuropsychological characteristics*.

RT-7-C-3 (67-3). NEUROPSYCHOLOGICAL EVALUATION OF PATIENTS WITH CEREBROVASCULAR DISEASE. Homer Reed, Ph.D.
To ascertain *ability deficits* and how they change in the *stroke* patient.

RT-7-C-3 (67-). THE RELATIONSHIP OF SELECTED PARAMETERS OF CARDIOVASCULAR DISEASE TO VOCATIONAL PRODUCTIVITY. Homer Reed, Ph.D.
To study the significance for rehabilitation of *medical and psychological factors* in *cardiovascular disease*.

RT-7-C-3 (67-1). AN INVESTIGATION OF ABILITY PATTERNS IN NEUROLOGICALLY IMPAIRED ADULTS. James C. Reed, Ph.D.
To understand the types of *ability deficits* patients suffer as a consequence of various *neurological impairments*.

RT-7-C-3 (67-1). WISC VERBAL AND PERFORMANCE DIFFERENCE AMONG CHILDREN WITH LATERALIZED MOTOR DEFICITS. James C. Reed, Ph.D.
To increase understanding of the intellectual development of children with *cerebral palsy* by evaluating *WISC verbal and performance difference*.

RT-7-C-3 (67-1). STUDY OF SKIN TEMPERATURE AND CIRCULATORY VARIABLES IN THE HEMIPLEGIC CHILD. H. M. Sterling, M.D.
To indicate etiological factors in the asymmetry in the growth rate of the *hemiplegic child*.

RT-7-C-4 (68-1). RESEARCH IN ASSISTIVE DEVICES FOR THE PHYSICALLY HANDICAPPED. William J. Crochetiere, Ph.D.
To aid paralyzed persons to utilize powered *assistive devices* in returning to employment.

RT-7-C-4 (68-). HEMOPHILIAC ARTHROPATHY STUDY--PHYSIATRIST EVALUATION. G. Robert Downie, M.D.
To establish a coordinated total management effort for *hemophiliac* patients.

RT-7-C-4 (68-1). MRC BASIC MEDICAL EXAMINATION FOR BARRETT SCHOOL PROJECT. G. Robert Downie, M.D.
To increase understanding of the relationship between *physical defects* and *mental retardation*.

RT-7-C-4 (68-). ACOUSTIC INVESTIGATION OF CNS PATHOLOGY AND ITS RELATIONSHIP TO THE PERCEPTION OF AUDITORY PHENOMENA. H. L. Gerstman, D.Ed.

To establish better diagnosis of *auditory disorders*.

RT-7-C-4 (68-5). LONGITUDINAL STUDY OF POST-OPERATIVE CLEFT PALATES. H. L. Gerstman, D.Ed.

To study *speech* patterns in the postoperative *cleft palate* patient.

RT-7-C-4 (68-1). FACTORS AFFECTING THE LOCATION OF MENTAL HEALTH SERVICES. Bernard M. Kramer, Ph.D.

To study various factors affecting the decision to locate *mental health services* centers at various places.

RT-7-C-4 (68-). PATHWAYS STROKE PATIENTS TAKE THROUGH HOSPITALS AND REHABILITATION CENTERS. Peter Kong-Ming New, Ph.D.

To provide methods for better *patient care* and eventual *vocational rehabilitation*.

RT-7-C-4 (68-). STUDY OF HEALTH ADVICE GIVEN BY NON-HEALTH PROFESSIONALS. Peter Kong-Ming New, Ph.D.

Police, Christian Science practitioners, tea leaf readers, bartenders, and other *nonhealth professionals* are asked to describe the kinds of health advice they give.

RT-7-C-4 (68-1). FOLLOW-UP STUDY OF PATIENT'S USE OF PROSTHESES. Anna Pomfret, M.D.

To locate and solve problems with *prostheses* enabling patients to return to work more quickly.

RT-7-C-4 (68-1). DEVELOPMENT OF MEDICAL EDUCATORS. Charles G. Stephanos, Ph.D.

To study how *medical educators* develop, and to improve effectiveness of teaching by the PM&R medical staff.

RT-7-C-4 (68-1). PHYSICAL REHABILITATION OF AMPUTEES WITH CARDIAC DISEASE. Harold M. Sterling, M.D.

To review the history of *myocardial infarction* in amputees.

RT-7-C-5 (69-2). COMPLETING SIGNAL STUDIES IN HEARING AID SELECTION. H. L. Gerstman, D.Ed.

To develop better *hearing aid* recommendation procedures in the rehabilitation of hard of hearing adults and children.

RT-7-C-5 (69-). LONGITUDINAL APHASIA STUDY. H. L. Gerstman, D.Ed.

To develop a prognostic, interdisciplinary test protocol for a study of *aphasia*.

RT-7-C-5 (69-1). MEDICAL STUDENTS' REACTION TO DEATH. Peter Kong-Ming New, Ph.D.

To help future *medical students* better understand their own feelings, hence providing better patient care and rehabilitation.

RT-7-C-5 (69-1). STUDY OF MASSACHUSETTS COLLEGES AND PUBLIC SCHOOLS TO ASCERTAIN PROPER UTILIZATION OF PHYSICAL FACILITIES BY HANDICAPPED CHILDREN. Charles G. Stephanos, Ph.D.

To study *utilization patterns* in colleges and public schools with respect to use of their physical facilities by *handicapped children*.

RT-7-C-2 (66-). BREATHING PATTERNS IN PATIENTS WITH MULTIPLE SCLEROSIS AND WITH PULMONARY EMPHYSEMA. E. M. Delabarre, Jr., M.D.

Use of the treadmill to evaluate *breathing patterns* in *multiple sclerosis* and *emphysema* patients during exercise.

RT-7-C-2 (66-2). COMPARISON OF FREE FIELD BEKESY AUDIOMETRICS FOR NORMAL AND CLINICAL POPULATIONS. H. L. Gerstman, D.Ed.

To better understand testing in a free field situation as particularly relevant to *hearing aid selection* procedures.

RT-7-C-4 (68-). EVALUATION OF SUDBURY CHILDREN (PRIMARY GRADE). H. L. Gerstman, D.Ed.

To describe classes of *learning disorders*.

RT-7-C-3 (67-2). CALCIUM IN THE SPINAL CORD INJURED: THE PREVENTION OF KIDNEY AND BLADDER STONES. Charles J. Kurth, M.D.

To prevent complications in *spinal cord injury*.

RT-8-C-5 (59-10). EFFECTS OF CHEMOTHERAPY ON LATER STAGES OF CANCER. Stanley N. Levick, M.D.

To make it possible for the patient with *cancer* to spend less time in the hospital and to reassume a limited role in society.

RT-8-C-5 (64-5). SIGNIFICANCE OF THERMAL PATTERNS IN INFRARED THERMOGRAM INTERPRETATION. JoAnn D. Haberman, M.D.

To improve and standardize interpretation of breast *thermograms*.

RT-8-C-3 (64-). STUDIES IN THE BIOLOGICAL CONTROL OF EXTERNAL POWER. Roy Wirta, M.S.

To indicate the likelihood and magnitude of control problems related to alteration in signals owing to practice effect of a *motor performance*.

RT-8-C-5 (64-4). DESIGN, CONSTRUCTION, AND SPECIAL EQUIPMENT FOR NEW ORAL RESEARCH/CLINICAL LABORATORY. Jack N. Zafran, D.D.S.

To evaluate the *dental needs of rehabilitation patients* and subsequent planning with manufacturers and architects.

RT-8-C-5 (64-6). MANDIBULAR MOVEMENT IN STROKE PATIENTS. Jack N. Zafran, D.D.S.

To provide information on the effect of intracerebral circulatory insults to the masticatory apparatus and utilization of the information in constructing *oral prosthetics* devices.

RT-8-C-3 (64-4). MOVEMENT OF THE MANDIBLE OF THE CVA PATIENT IN THE HORIZONTAL PLANE. Jack N. Zafran, D.D.S.

To learn the recovery rate of neuromuscular *masticatory disfunction*.

RT-8-C-5 (65-5). HISTOPATHOLOGICAL CHANGES IN SKELETAL MUSCLE AND THEIR INNERVATION IN NEUROMUSCULAR DISEASES. Essam Awad, M.D.

To obtain an integrated clinical physiological and histopathologic evaluation of the *neuromuscular* relationships present in varying disorders.

RT-8-C-4 (65-2). DIFFERENTIAL EFFECTS OF LATERALIZED CEREBRAL HEMISPHERE DAMAGE ON INTELLECT. Dominic V. DeCencio, Ph.D.

To determine if there were any differential effects on *intellect* of right and left *hemisphere damage*.

RT-8-C-3 (65-2). THE RHEUMATOID WRIST. George Ehrlich, M.D.

To study the *rheumatoid wrist* prior to, during, and after surgery, in order to better prepare techniques for dealing with similar problems.

RT-8-C-2 (65-1). STUDY OF SJOGRENS SYNDROME. George Ehrlich, M.D.

To further delineate the variables associated with the *Sjogrens Syndrome* in order to get a better idea of how its complicating effects on rehabilitation can be ameliorated.

RT-8-C-3 (65-1). LOCOMOTION PATTERNS IN ELDERLY FEMALES. F. Ray Finley, Ph.D.

To determine the *locomotion patterns* of elderly females.

RT-8-C-5 (65-3). THERMOGRAPHIC LOCALIZATION OF THE PLACENTAL SITE. JoAnn Haberman, M.D.

To determine the location of the placental site through *thermography*.

RT-8-C-5 (65-). THE USE OF THERMOGRAPHY IN THE DETECTION OF BREAST CANCER. JoAnn Haberman, M.D.

To determine the extent to which *thermography* can be used in the detection of *breast cancer*.

RT-8-C-2 (65-2). A SURVEY OF BODY PARAMETERS AND CLINICAL FINDINGS IN AN ELDERLY FEMALE POPULATION. Myra Haskin, M.D.

To obtain data on elderly females regarding certain *body parameters* and clinical findings.

RT-8-C-5 (65-5). HISTOPATHOLOGICAL CHANGES IN SKELETAL MUSCLE AND THEIR INNERVATION IN NEUROMUSCULAR DISEASES. G. Herbison, M.D.

To develop an integrated clinical, physiological and histopathological evaluation of neuromuscular relationships present in *neuromuscular diseases*.

RT-8-C-5 (66-3). DEPOSITION OF URATE CRYSTALS IN GOUT. Warren A. Katz, M.D.

To determine the extent and effect of urate crystals in gout.

RT-8-C-5 (66-4). EFFICACY OF PHYSICAL MEDICINE AND REHABILITATION WITH CANCER PATIENTS. Stanley Levick, M.D.

To determine the usefulness of physical medicine and rehabilitation techniques with cancer patients.

RT-8-C-3 (65-5). BIOCHEMICAL AND ULTRASTRUCTURAL CORRELATES OF SUCCINIC DEHYDROGENASE HISTOCHEMISTRY IN THE ATRIUM AND VENTRICLE OF THE MAMMALIAN HEART. Neal E. Pratt, Ph.D.

To undertake an ultrastructural quantitative evaluation of mitochondrial volumes in the canine heart.

RT-8-C-2 (65-1). MOTOR NERVE CONDUCTION VELOCITY IN DIABETES MELLITUS. Bernard Sandler, M.D.

To determine the motor *nerve conduction velocity* in patients with *diabetes mellitus*.

RT-8-C-3 (65-2). EFFECTS OF STEREOTOXIC BRAIN SURGERY ON SPEECH PATIENTS WITH PARKINSON'S DISEASE. Carol C. Towne, Ph.D.

To find parameters the surgeon might use to predict speech effects of stereotoxic procedures in management of *Parkinson's Disease*.

RT-8-C-5 (65-5). IDENTIFICATION AND EXPANSION OF THE ROLE OF DENTISTRY IN THE REHABILITATION HOSPITAL. Jack N. Zafran, D.D.S.

To determine the role of *dentistry* in the process of *rehabilitation*.

RT-8-C-3 (66-1). TRANSIENT THERMAL CHANGES AS A FUNCTION OF STRESS. Robert Burt, M.S.E.E.

To observe *thermal changes as* a function of stress.

RT-8-C-5 (66-3). INFLAMMATORY FORMS OF OSTEOARTHRITIS. George E. Ehrlich, M.D.

To distinguish between inflammatory forms of *osteoarthritis* and *rheumatoid arthritis*.

RT-8-C-3 (66-1). A STUDY OF THE THERMOGRAPHIC PICTURE IN CONNECTIVE TISSUE DISEASE. George E. Ehrlich, M.D.

To devise a means of accurate diagnosis and evaluation of the various forms of therapy (drug and physical therapy) in *arthritic* patients.

RT-8-C-5 (66-3). STUDIES OF ANIMAL VOCALIZATIONS. Alfred Finck, Ph.D.
To study *sensory* vocal/auditory *mechanisms*.

RT-8-C-5 (66-3). CORRELATIONS BETWEEN EMG AND MOTOR LEARNING IN BRAIN INJURED.
F. Ray Finley, Ph.D.
To test for correlations between EMG and motor learning in *brain injured persons*.

RT-8-C-5 (66-3). MULTIPLE AXIS MYOELECTRIC CONTROLLED PROTHESIS. F. Ray Finley, Ph.D.
To develop a *prosthetic device* which functions with a minimum requirement for special learning in adapted motor sequences now required by conventional prosthetic applications.

RT-8-C-5 (66-1). INFORMATION FLOW IN THE CORTICOSPINAL TRACT. C. R. Henderson, B.S.E.E.
To obtain information about quantitative changes in the information content of the signals as they pass from the *cortex* to the limb musculature of a cat.

RT-8-C-5 (67-2). CODED FACE SHEET/STATISTICAL FORM AND INSTRUCTIONAL MANUAL.
Charles S. Ireland, Jr., A.C.S.W.
To attempt to functionally integrate existing *reporting mechanisms* in the Department of Social Work.

RT-8-C-5 (66-2). FOLLOW-UP STUDY OF PATIENTS REFERRED TO THE PENNSYLVANIA BUREAU OF VOCATIONAL REHABILITATION.
Charles S. Ireland, Jr., A.C.S.W.
To gain knowledge of the position of patients after having been referred to the State agency for *vocational rehabilitation*.

RT-8-C-5 (67-2). CONNECTIVE TISSUE DISEASE STUDY GROUP. Warren A. Katz, M.D.
To discuss at a bimonthly interval the possibilities for an improved method of therapy for patients with *systemic lupus*.

RT-8-C-5 (66-3). MULTIDISCIPLINARY TEAM APPROACH FOR THE REHABILITATION OF EMPHYSEMA PATIENTS. Philip Kimbel, M.D.
To compare control and experimental groups to discern the efficiency of a *team approach* in treating *emphysema* patients.

RT-8-C-5 (66-3). DESIGN AND CONSTRUCTION OF COMPREHENSIVE PHYSICAL MEDICINE AND REHABILITATION FACILITY WITHIN A GENERAL HOSPITAL.
Fred Kugler, M.S.E.E.
To plan proposed space requirements for the new hospital comprehensive *physical medicine and rehabilitation facility* within a general hospital.

RT-8-C-5 (66-2). DEVELOPMENT OF A FLEXIBLE INTERFACE OF PHYSIOLOGICAL MEASURING EQUIPMENT FOR REHABILITATION RESEARCH.
Fred Kugler, M.S.E.E.
To develop a flexible interface of *physiological measuring equipment* for rehabilitation research.

RT-8-C-5 (66-1). THE EFFECT OF ECHOTHIOPHATE THERAPY ON THE METABOLISM OF SUCCINYLCHOLINE.
Fred Kugler, M.S.E.E.
To determine the effect of echothiophate therapy on the *metabolism of succinylcholine*.

RT-8-C-5 (66-3). STRENGTH RE-EVALUATION.
Fred Kugler, M.S.E.E.
To keep a constant record of the *strength* buildup of an individual prior to, during, and after undergoing *physical or occupational therapy*.

RT-8-C-5 (66-3). ATTITUDES TOWARDS PHYSICAL MEDICINE AND REHABILITATION AMONG UNDERGRADUATE MEDICAL STUDENTS. Martin Leshner, Ph.D.
To ascertain the *attitudes* of the emerging members of the medical profession *towards physical and rehabilitative medicine*.

RT-8-C-3 (66-5). NERVE SUPPLY TO THE MICROVASCULATURE REGULATING BLOOD PRESSURE.
Steven Phillips, M.D.
To come to an understanding of the peripheral mechanisms involved in normal *blood pressure* control.

RT-8-C-5 (66-5). NEUROMUSCULAR RELATIONSHIPS AND INHERENT MUSCULAR AUTOMATICITY IN THE AMPHIBIAN LYMPH HEART. Steven Phillips, M.D.
To understand some of the *neuromuscular relationships* and complexities that exist among the various tissues in the amphibian lymph heart.

RT-8-C-5 (66-3). FOLLOW-UP SOCIAL/VOCATIONAL SURVEY OF DISCHARGED HEMIPLEGIC PATIENTS VIA ATTITUDE QUESTIONNAIRE.
David Simpson, A.C.S.W.
To learn what *social/vocational experiences* reflected a meaningful and adequate rehabilitation program among a selected population of discharged stroke patients.

RT-8-C-3 (66-5). MEASUREMENT OF SHRINKAGE OF AMPUTATED LIMB STUMPS AND INITIAL IMMEDIATE PROSTHESIS. Sidney W. Spector.
Clear plastic pylons will enable observation of stump (pressure point problems) and aid materially in adjustment and fabrication of *artificial limbs*.

RT-8-C-5 (66-3). DESIGN AND EVALUATION OF AN ARTIFICIAL HEART USING PURE FLUID CONTROLS. Donald Thomas, Ph.D.

To design and evaluate the effective use of an *artificial heart* using pure fluid controls.

RT-8-C-5 (66-4). INFORMATION CONTENT OF MYOELECTRIC SIGNALS FOR USE IN ORTHOTICS AND PROSTHETICS. Donald Thomas, Ph.D.

To categorize and identify clinically the changes in *myoelectric information* due to various disease conditions.

RT-8-C-5 (66-3). APPLICABILITY OF THE ILLINOIS TEST OF PSYCHOLINGUISTIC ABILITIES (ITPA) TO APHASIC AND/OR APRAXIC PATIENTS. Martin Leshner, Ph.D.

To test the applicability of the (ITPA) to *aphasic or apraxic patients.*

RT-8-C-5 (66-2). METHODS OF APPROACHING THE COMMUNICATION PROBLEMS OF APHASIC PATIENTS IN OCCUPATIONAL THERAPY. Carol C. Towne, Ph.D.

To improve communication between the occupational therapist and the speech clinician in rehabilitating the *aphasic patient.*

RT-8-C-5 (66-2). DEVELOPMENT OF DENTAL WHEELCHAIR FOR PHYSICALLY HANDICAPPED PATIENTS. Jack N. Zafran, D.D.S.

To develop a *dental wheelchair.*

RT-8-C-5 (66-1). HAND SPLINTS--FABRICATION BY UTILIZING DENTAL TECHNIQUES AND MATERIALS. Jack N. Zafran, D.D.S.

To produce a modified *hand splint* for the *rheumatoid wrist* through interdisciplinary cooperation.

RT-8-C-5 (66-4). IMPRESSION TECHNIQUES FOR MODEL MAKING OF AMPUTATED LIMB STUMPS. Jack N. Zafran, D.D.S.

To improve present methods of making impressions and of making clear *plastic pylons.*

RT-8-C-5 (67-3). PHYSIOLOGICAL MEASUREMENT IN REHABILITATION. Leonard A. Cohen, Ph.D.

To develop a capability for *wireless recording* of electrocardiograms, electromyograms, electrocephalograms, respiratory rate, and respiratory amplitude.

RT-8-C-5 (67-1). THE EFFECT OF OPERANT CONDITIONING TECHNIQUES ON INCREASE IN STANDING TOLERANCE. Allison Dea, O.T.R.

To test the effectiveness of employing *operant conditioning* techniques in increasing *standing tolerance.*

RT-8-C-5 (67-3). THREE DIMENSIONAL VERTICALITY PERCEPTION AND AMBULATION IN HEMIPLEGIA. Dominic V. DeCencio, Ph.D.

To examine *perception of verticality* within the frontal plane and midsagittal plane.

RT-8-C-5 (67-1). MOSS REHABILITATION HOSPITAL PATIENT SURVEY. Rona V. Finizie, M.S.

To objectively describe the *patient population* of a large multidisciplinary *rehabilitation hospital.*

RT-8-C-5 (67-1). CONSTRUCTION OF A CARDIOTACHOMETER. F. Ray·Finley, Ph.D.

To develop a *cardiotachometer* in order to ascertain and predict a patient's cardiovascular status during therapy activities.

RT-8-C-5 (67-5). DETERMINATION OF THE PRODUCTION OF THERMAL PATTERNS. JoAnn D. Haberman, M.D.

To obtain information on the mechanism by which *thermographic images* seen clinically are produced.

RT-8-C-4 (67-1). EFFICACY OF THERMOGRAPHY AS A DIAGNOSTIC TOOL FOR SOFT TISSUE DAMAGE. JoAnn Haberman, M.D.

To test the efficacy of *thermography* as a diagnostic mechanism for soft tissue damage.

RT-8-C-5 (67-5). INVESTIGATION INTO THE EFFICACY OF THERMOGRAPHY AS A DIAGNOSTIC TECHNIQUE IN NEUROLOGICAL DISEASE. JoAnn Haberman, M.D.

To investigate the efficacy of *thermography* as a diagnostic technique in neurological disease and to determine the potential of thermography as a postsurgical indicator of eventual return to complete function.

RT-8-C-5 (67-2). INVESTIGATION INTO THE EFFICACY OF THERMOGRAPHY AS A DIAGNOSTIC TECHNIQUE IN VASCULAR DISEASES. JoAnn Haberman, M.D.

To investigate the efficacy of *thermography* as a diagnostic technique in vascular diseases.

RT-8-C-5 (67-1). THE EFFECT OF CARDIAC INVOLVEMENT ON THE AMOUNT OF DISABILITY IN RHEUMATOID ARTHRITIS. Warren A. Katz, M.D.

To test for the effect of cardiac involvement on the amount of disability in *rheumatoid arthritis.*

RT-8-C-5 (67-1). DESIGN OF AN ENVIRONMENTAL RESEARCH AREA WITHIN A BIOMEDICAL ENGINEERING CENTER. Fred Kugler, M.S.E.E.

To lend technical assistance to Moss Rehabilitation Hospital for the design and development of an *environmental area* to be housed in the Biomedical Engineering Center.

RT-8-C-5 (67-1). METHODOLOGY INTO THE BIOMEDICAL INSTRUMENTATION OF THE STUDY OF NEUROMUSCULAR DYSFUNCTION OF THE BLADDER. Fred Kugler, M.S.E.E.

To obtain information of the voiding characteristics in patients with *neuromuscular dysfunction* of the *bladder.*

RT-8-C-5 (67-3). ATTITUDES TOWARDS PHYSICAL REHABILITATION. Robert E. Lana, Ph.D.

To measure *attitudes* relevant to the rehabilitation process without the patient knowing he has revealed them in order to gain an insight into the attitudes of the patients towards physical rehabilitation.

RT-8-C-3 (67-1). MMPI CHARACTERISTICS OF HOSPITALIZED PATIENTS WITH RHEUMATOID ARTHRITIS. Bonnie Leshner, M.A.

To evaluate patients during the first week of *hospitalization*.

RT-8-C-5 (67-5). EFFICACY OF COLLAGEN AS A BINDING AGENT FOR DACRON PROSTHETIC IMPLANT. S. Phillips, M.D.

To test the usefulness of *collagen* as a binding agent for dacron *prosthetic* implants.

RT-8-C-5 (67-2). FINE STRUCTURE OF CLOSTRIDIUM BOTULINUM TOXIN. S. Phillips, M.D.

To discern the characteristics of *Clostridium Toxin*.

RT-8-C-5 (67-2). STUDIES TO INVESTIGATE THE EFFECTS OF DISTENSION IN THE CANINE HEART. S. Phillips, M.D.

To analyze the relation of *muscle stretch* as determined by sarcomere length with the volume and/or pressure applied to the chambers of the anesthetized *canine heart*.

RT-8-C-5 (67-2). INVESTIGATION OF ADJUSTMENT OF PATIENTS WITH RHEUMATOID ARTHRITIS BASED ON MINNESOTA MULTIPHASIC PERSONALITY INVENTORY PROFILES. Wanda Sadoughi.

To analyze how variables such as age, sex duration, and extent of disability affect *emotional reactions* of the *rheumatoid arthritic*.

RT-8-C-5 (67-3). DEMONSTRATION OF THE EFFICACY OF A VOLUNTEER (SUB-PROFESSIONAL) TRAINING PROGRAM IN SPEECH THERAPY. Carol Towne, Ph.D.

To evaluate the effectiveness of a *volunteer* support-staff *training* program in *speech therapy*.

RT-8-C-5 (67-3). CLASSIFICATION OF EXERCISE--RULES AND TECHNIQUES OF EXERCISES. Frank J. Wiechec, M.S.

To develop a single standardized source of information regarding *exercise*, exercise programs, and the relationship to chronic disease and *disability*.

RT-8-C-5 (67-1). REHABILITATION OF THE HEMOPHILIAC PATIENT. Irving Woldow, M.D.

To develop a strategy with which to attack the problem of the *hemophiliac* patient.

RT-8-C-5 (67-1). OBSERVATIONS OF TRANSDUCED MANDIBULAR MOVEMENTS WITH CHOLINERGIC DRUGS IN MYONEURAL JUNCTION DISEASE. Jack N. Zafran, D.D.S.

To obtain a knowledge and measurement of *masticatory muscle* strength and range of motion in order to better be able to construct an *oral prosthesis* for a myesthenic patient.

RT-8-C-5 (67-2). DEVELOPMENT OF A LOWER EXTREMITY STABILIZATION ORTHOTIC FOR BEDRIDDEN PATIENTS. Jack M. Zislis, M.D.

To develop a *splint* for the *lower extremity* that would not only control foot drop but also control abnormal positioning of the hip joint.

RT-8-C-5 (68-1). PRELIMINARY STUDY OF CIRCULATION IN THE HEMIPLEGIC UPPER EXTREMITY. Kenneth C. Archibald, M.D.

To elucidate some causative factors of pain, swelling, and limitation of motion in the *hemiplegic* upper extremity.

RT-8-C-5 (68-1). REAPPRAISAL OF THE HOOVER TEST. Kenneth C. Archibald, M.D.

To evaluate the *Hoover Test* which is used in the evaluation of trunk and lower extremity function.

RT-8-C-5 (68-4). REGULATION OF MOTOR UNIT FIRING BY REFLEX INHIBITION. Leonard A. Cohen, Ph.D.

To investigate the physiology of *motor units* in humans.

RT-8-C-5 (68-1). COMPARATIVE STUDY OF THE PHYSICAL MODALITIES OF HYDROTHERAPY, PARAFFIN DIPS AND COLD PACKS ON THE ACUTE RHEUMATOID HAND. John F. Ditunno, M.D.

To study *treatment techniques* for the acute *rheumatoid hand*.

RT-8-C-5 (68-1). DEVELOPMENT OF AN ARTHRITIS REHABILITATION CENTER. George E. Ehrlich, M.D.

To develop an outpatient facility to give consultation and an inpatient facility to provide diagnosis and treatment designed to return the *arthritic* patient to productivity or self-sufficiency.

RT-8-C-5 (68-1). RHEUMATOID ARTHRITIS IN THE AGED. George E. Ehrlich, M.D.

To compare the course of *rheumatoid arthritis* in subjects over 60 and under 60.

RT-8-C-5 (68-2). PERSONALITY AND ATTITUDES CONCERNING PHYSICAL DISABILITY. Russell Eisenman, Ph.D.

To compare personality characteristics with *attitudes* towards the *physically disabled*.

RT-8-C-5 (68-1). PATIENT/FAMILY GROUP THERAPY INVESTIGATION. Robert W. Gould, A.C.S.W.

To organize regular *group therapy* sessions attended by patient's family as a part of the overall rehabilitation program.

RT-8-C-5 (68-1). STUDY OF A METHOD FOR THE EVALUATION OF RHEUMATOID ARTHRITIS.
JoAnn Haberman, M.D.
To compare several methods, including thermography for evaluating *rheumatoid arthritis*.

RT-8-C-5 (68-2). EARLY FITTING OF AMPUTEES WITH PYLONS AND THEIR EFFECT ON STUMP WITH OPEN WOUND. Gerald J. Herbison, M.D.
To evaluate the effects of early fitting of *amputees* with pylons on healing and ambulation.

RT-8-C-5 (68-5). KINESIOLOGY OF THE RHEUMATOID HAND. Gerald J. Herbison, M.D.
To improve on the use of splints and surgery in patients with involvement of the hands secondary to *rheumatoid arthritis*.

RT-8-C-5 (68-1). STUDY OF CONDUCTION TIME USING H REFLEX. Gerald J. Herbison, M.D.
To study the motor and antidromic sensory *conduction times* in diabetic patients.

RT-8-C-5 (68-1). FOLLOW-UP STUDY OF GERIATRIC PATIENTS TRANSFERRED TO EXTENDED CARE FACILITIES. Annabelle H. Kent.
To study the complex social, emotional, and economic problems which the *geriatric patient* and his family must face when *posthospital care* is needed.

RT-8-C-5 (68-1). EVALUATION OF A METHOD FOR THE DISSEMINATION AND IMPLEMENTATION OF RESEARCH FINDINGS. Martin Leshner, Ph.D.
To evaluate the use of research briefs as a method of *research result dissemination*.

RT-8-C-5 (68-1). AN INVESTIGATION OF ONE NEW NON-NARCOTIC ANALGESIC IN THE LATE STAGES OF CANCER. Stanley Levick, M.D.
To investigate a new *nonnarcotic drug* (C1572) for its efficacy in dealing with *pain* while minimizing the side effects attributed to narcotics.

RT-8-C-5 (68-2). PHONEMIC ANALYSIS OF PARAPHASIC IMPAIRMENT. Helen E. Rine.
To search for patterns of error underlying the phonemic *paraphasias* of spoken English in a selected group of aphasic persons.

RT-8-C-5 (68-2). SURVEY OF PROBLEMS AND PATTERNS IN SEXUAL ADJUSTMENT OF THE DISABLED. Martin Reshner, Ph.D.
To survey the existing problems and patterns of adjustment in *sexual activity* of the physically disabled.

RT-8-C-5 (68-1). STUDY OF CARPAL TUNNEL SYNDROME IN DIABETES MELLITUS.
Chao-Son Teng, M.D.
To establish the value of *nerve conduction velocity* study as an evaluation of peripheral nerve function in *diabetes mellitus*.

RT-8-C-5 (68-3). OBJECTIVE METHODS OF MEASUREMENT OF LARYNGEAL HYPERFUNCTION.
Carol C. Towne, M.D.
To develop objective methods of treatment for use by the voice therapist in treating *laryngeal hyperfunction*.

RT-8-C-5 (68-). EFFECT OF PHYSICAL THERAPY WITH PULMONARY PROBLEMS AS ASSOCIATED WITH CARDIAC SURGERY. Stanley L. Windkos, M.S.
To ameliorate those *pulmonary problems* arising subsequent to any chest surgery and in particular *open heart surgery*.

RT-8-C-5 (68-2). MEASUREMENT OF DENTOALVEOLAR BONE RESORPTION. Jack N. Zafran, D.D.S.
To investigate and quantitatively determine *bone resorption* of the alveolar process.

RT-8-C-5 (68-2). MAXILLOFACIAL RECONSTRUCTION. Jack N. Zafran, D.D.S.
To investigate new materials and techniques to fabricate missing parts of facial anatomy; to establish a center for *maxillofacial reconstruction* within RT-8.

RT-8-C-5 (68-3). STUDY OF ORAL SENSORY/MOTOR FUNCTION. Jack N. Zafran, D.D.S.
To study the effect of *cerebrovascular accident* on the exteroceptors and proprioceptors of the cavity.

RT-8-C-5 (68-1). DEVELOPMENT OF AN ORTHOTIC DEVICE TO MORE ADEQUATELY CONTROL ADDUCTOR SPASTICITY IN LOWER EXTREMITY INVOLVED PATIENTS. Jack M. Zislis, M.D.
To develop an *orthotic device* that can control abnormal movements of legs.

RT-8-C-5 (68-4). STANDARDIZATION OF REHABILITATION FORMS. Jack M. Zislis, M.D.
To establish a more effective method of *data acquisition and retrieval*.

RT-8-C-5 (69-1). EVALUATION OF L-DOPA IN THE TREATMENT OF PARKINSONISM. Arnold A. Bank, M.D.
To determine the effectiveness of L-Dopa as a treatment for *Parkinsonism*.

RT-8-C-5 (69-3). UREMIC NEUROPATHY STUDY. Arnold A. Bank, M.D.
To correlate the course of the *neuropathy* with the course of the *uremia* and with the various procedures used to treat the patient.

RT-8-C-5 (69-1). THE APPLICATION OF BEHAVIOR MODIFICATION TECHNIQUES IN PHYSICAL MEDICINE AND REHABILITATION SETTING: STAFF ORIENTATION AND CASE STUDIES. Sam M. Brown, M.A.
To provide an additional method of *behavior modification* in patients by the use of more economical and effective programs.

RT-8-C-5 (69-2). PSYCHOLOGICAL EVALUATION OF PATIENTS WITH PARKINSON DISEASE BEFORE AND AFTER TREATMENT WITH EXPERIMENTAL DRUG L-DOPA. Sam M. Brown, M.A.

To obtain information on the psychological implications of *Parkinsonism*, particularly as it relates to L-Dopa.

RT-8-C-5 (69-5). MANIPULATION OF CORTICAL MOTOR RESPONSE BY PERIPHERAL SENSORY STIMULATION. Leonard A. Cohen, Ph.D.

To study the influence of *sensory manipulation*.

RT-8-C-5 (69-3). REASONS FOR FAILURE OF SURGERY FOR ARTHRITIS. George E. Ehrlich, M.D.

To understand the causes behind failure to achieve goals or failure of surgical procedure for *arthritis*.

RT-8-C-5 (69-2). STUDY OF CONDUCTION TIME AND DISTAL LATENCIES IN RHEUMATOID PATIENTS. Gerald J. Herbison, M.D.

To evaluate clinical manifestations of *carpal tunnel syndrome*.

RT-8-C-5 (69-2). SENSORIMOTOR INTEGRATION: THE STUDY OF TEMPORAL PATTERNS OF SENSORIMOTOR CONDUCTION BY MEANS OF SENSORY-EVOKED POTENTIALS AND MOTOR CORTICAL POTENTIALS. Richard Herman, M.D.

To investigate temporal patterns of behavior by both *sensorimotor conduction* and cortical wave forms.

RT-8-C-5 (69-1). STANDING TABLE--INSTRUMENTATION TO DETERMINE PATIENT POSITION. Fred Kugler.

To develop a test fixture which will indicate to the therapist how the patient is responding to the *standing table*.

RT-8-C-5 (69-1). THE EFFICACY OF A WORK ADJUSTMENT UNIT IN A COMPREHENSIVE REHABILITATION HOSPITAL. Saul S. Leshner, Ph.D.

To develop *a work adjustment unit* to help prepare the patient to return to work, maintain his self-concept, and maintain a proper work attitude while hospitalized.

RT-8-C-5 (69-3). EXPERIMENTAL CONTROL OF BLADDER FUNCTION. Roberto Reid, M.D.

To examine the restoration of balanced *bladder function* in upper motor neuron lesions by surgical, pharmocological, and bioengineering techniques.

RT-8-C-5 (69-1). URETERAL PHYSIOLOGY IN PARAPLEGIA. Roberto Reid, M.D.

To establish whether there may be a neural abnormality in the *paraplegic* state.

RT-8-C-5 (69-2). INVESTIGATION OF PHYSIOLOGIC PARAMETERS OF CLEFT PALATE SPEECH. Helen E. Rine.

To investigate the several physiologic aberrancies of *"cleft palate speech."*

RT-8-C-5 (69-1). PSYCHOLOGICAL CORRELATES OF UROLOGICAL SYMPTOMS IN REHABILITATION OF HEMIPLEGICS. Wanda Sodoughi.

To determine whether urological symptoms affect the progress of physical rehabilitation in *hemiplegics*.

RT-8-C-5 (69-2). THE NECESSARY PHYSICAL ADJUSTMENT OF THE REHABILITATION PATIENT TO OCCUPATIONAL PERFORMANCE. Millard H. Schellinger.

To establish specific *therapeutic physical exercise* programs to enable patients to meet the requirements of their former occupations.

RT-8-C-5 (69-1). DEEP VENOUS OCCLUSION OF THE LOWER EXTREMITIES IN HEMIPLEGIC PATIENTS. Norman Skversky.

To evaluate the prevalence or incidence of thrombophlebitis in *stroke patients*.

RT-8-C-5 (69-1). A BASIC STUDY OF THE BIOMECHANICS OF THE HUMAN SPINE. Donald H. Thomas, Ph.D.

To gain knowledge of *spinal mechanics*.

RT-8-C-5 (69-1). THE EFFECTS OF L-DOPA ON PARKINSONIAN SPEECH. Carol C. Towne, Ph.D.

To isolate and measure the parameters of *Parkinsonian speech*.

RT-8-C-5 (69-1). THE FORMULATION OF COMPREHENSIVE BIOMECHANICAL EQUATIONS TO DEFINE THE MOTION OF THE HUMAN HAND. Donald H. Thomas, Ph.D.

To make a detailed analysis of the various *parameters of the hand* and the effects of diseases.

RT-8-C-5 (69-1). RETURN OF LANGUAGE FUNCTION AS A FUNCTION OF INTENSITY OF SPEECH THERAPY: STUDY OF THE USEFULNESS OF SUBPROFESSIONALS. Carol C. Towne, Ph.D.

To determine if increased language stimulation will increase the rate and extent of language recovery in adult aphasics.

RT-8-C-5 (69-2). SOCIAL AND PHYSICAL REHABILITATION OF POTENTIAL SCHOOL DROPOUTS. Frank J. Wiechec.

To note the effects of guided and encouraged physical activity among potential *high school dropouts*.

RT-8-C- (69-2). A SURVEY OF SPEECH SERVICES TO THE LARYNGECTOMIZED IN PENNSYLVANIA. Carol C. Towne, Ph.D.

To determine the nature of education of *laryngectomized* patients regarding vocal retraining.

RT-8-C-5 (69-2). AN EVALUATION OF CURRENTLY ACCEPTED METHODS OF MOTION THERAPY FOR HEMIPLEGIC SHOULDER JOINTS AND THEIR ACCEPTABILITY. Jack M. Zislis, M.D.

To evaluate *hemiplegic* patients' flaccid and spastic paralysis.

RT-8-C-5 (69-2). OBJECTIVE POSTURAL EVALUATION SYSTEM. Jack M. Zislis, M.D.

To evaluate currently used methods in *postural evaluation* and estimate how accurate and effective they are.

RT-8-C-5 (69-2). PATIENT ALARM SYSTEM. Jack M. Zislis, M.D.

To evaluate *alarm systems* currently available and determine their applicability in individual problems.

RT-8-C-5 (69-5). COMPREHENSIVE REHABILITATION PROGRAM FOR INMATES AT HOLMESBERG PRISON. Morton Zivan, M.D.

To assist *prisoners* in returning to the community and reducing the rate of recidivism.

RT-8-C-5 (70-1). EFFICACY OF SUBPROFESSIONALS (SOCIAL REHABILITATION ASSISTANT) IN THE ROLE OF GENERALIST IN A REHABILITATION SETTING. Charles S. Ireland, A.C.S.W.

To develop *rehabilitation careers* at the subprofessional level and to close gaps in service in the team approach to comprehensive rehabilitation care.

RT-8-C-5 (70-2). THE EFFECT OF THE FAMILY ON LANGUAGE RECOVERY IN POST-HOSPITALIZED APHASIA PATIENTS. Martin Leshner, Ph.D.

To study the effect the family has on language recovery after the stroke patient with *aphasia* has left the hospital.

RT-8-C-5 (70-3). HEXA-INDUCED CANINE CARDIOGENIC SHOCK. Steven Phillips, M.D.

To determine what factors are critical in the induction of a state of *cardiogenic shock*.

RT-8-C-5 (70-5). MICROVASCULAR CHANGES PRECEDING STROKES AND THE FAILURE OF CEREBRAL BLOOD VESSEL AUTOREGULATION STUDIED IN A CANINE EXPERIMENTAL MODEL. Steven Phillips, M.D.

To increase understanding of the genesis of *stroke* secondary to transient cerebral ischemia.

RT-9-C-3 (64-6). THE ROLE OF HYPERSENSITIVITY IN DISABLING COLLAGEN VASCULAR DISEASES. Harold W. Clark, Ph.D.

To identify the destructive mechanisms involved in the crippling *collagen vascular diseases* (arthritis).

RT-9-C-3 (65-3). DEVELOPMENT OF A DEVICE TO DETECT AND RECORD MOTOR ACTIVITY OF HUMAN SUBJECTS. E. L. Phillips, Ph.D.

To design an instrument for recording the *overt movements* of ambulatory persons with a minimum of interference with normal activity, in order to provide data important in diagnosis, evaluation, and treatment of rehabilitation cases.

RT-9-C-3 (65-3). THE DEVELOPMENT OF A DEVICE TO DETECT PUPILLARY RESPONSES TO EMOTIONAL STIMULI FOR HUMAN SUBJECTS. E. L. Phillips, Ph.D.

To develop and refine a measuring and recording device relying on *pupil dilation* data in order to provide objective information concerning the attitudinal states of human subjects.

RT-9-C-3 (65-2). PILOT STUDY TO DEVISE MEANS OF RECORDING ENVIRONMENTAL SURROUNDINGS OF PATIENT UNDER ACTUAL WORKING CONDITIONS. E. L. Phillips, Ph.D.

To devise appropriate means for documentation of a rehabilitation patient's actual living and working *environment*.

RT-9-C-3 (65-3). ANGIOTENSIN-INFUSION TEST, ANGIOTENSIN AND RENIN BLOOD LEVELS USED TO DETERMINE PROGNOSIS AND REHABILITATION POTENTIALS OF HYPERTENSIVE PATIENTS. Irene Tamagna, M.D.

To develop a methodology in order to differentiate between types of treatment of *hypertensive patients*.

RT-9-C-3 (65-5). REHABILITATION APPROACH TO PRIMARY ARTERIAL HYPERTENSION. Irene Tamagna, M.D.

To determine whether recognition and manipulation of environmental factors contributing to the *hypertensive state* are also important for proper treatment of the total patient needs.

RT-9-C-3 (65-4). THE PUPILLARY RESPONSES AS AN INDICATOR OF PSYCHOLOGICAL STATES. Roland H. Tanck, Ph.D.

To determine the practicality of using *pupil size* as an indicator of *emotional response*.

RT-9-C-1 (66-2). PRE- AND POST-OPERATIVE EVALUATION OF OPEN HEART SURGERY PATIENTS FOR VOCATIONAL REHABILITATION. Paul Adkins, M.D.

To evaluate the physical and psychosocial status of the patient before and after *open heart surgery* to determine the feasibility and applicability of vocational rehabilitation.

RT-9-C-3 (66-3). THE ROLE OF PROGRAMMED EXERCISE IN THE REHABILITATION OF PATIENTS WITH CORONARY ARTERY DISEASE. John M. Evans, M.D.

To demonstrate the safety and utility of using *programmed exercise* with the management of numbers of people with known *heart disease*.

RT-9-C-3 (66-3). AN EVALUATION OF THE SPEECH INTELLIGIBILITY OF STROKE PATIENTS.
James W. Hillis, Ph.D.

To determine whether a selected test of speech articulation, utilizing contextual speech, is reliable and provides a valid estimate of the *speech intelligibility* of adult rehabilitation patients.

RT-9-C-3 (66-2). DEVELOPMENT OF MICROSURGICAL TECHNIQUES FOR OPERATIVE RECONSTRUCTION OF INJURED OR DISEASED STRUCTURES.
John M. Keshishian, M.D.

To utilize microsurgical technique in the *operative reconstruction* of small vessels, nerves, and tendons of injured extremities.

RT-9-C-3 (66-1). SURVEY OF REHABILITATIVE TREATMENT FOR THE RELUCTANT PATIENT.
David J. Sharpe, Ph.D.

To determine the role of *law* in regard to those who refuse to cooperate in the *rehabilitation process*.

RT-9-C-3 (66-3). DEVELOPMENT OF MODERN, VOCATIONAL AND HOMEBOUND OBJECTIVES FOR THE SEVERELY DISABLED. Thomas R. Shworles, M.A.

To find new and substantially rewarding job prospects for the homebound *severely disabled* by using equipment and procedures from the modern business information systems world.

RT-9-C-3 (66-2). UTILIZATION OF PULMONARY SCANNING IN OBSTRUCTIVE LUNG DISEASE, PART A.
Harold M. Silver, M.D.

To study the reproducibility of *pulmonary scanning* techniques using I 131 macroaglutinated serum albumen for defining pulmonary capillary blood flow.

RT-2-C-2 (66-2). THE OBSERVED EFFECTS OF COMPREHENSIVE CARE OF CANCER PATIENTS RECEIVING RADIO THERAPY. William G. Tompkins, M.D.

To study the environmental factors and psychological makeup of the *cancer patient* as it effects the course of disease and the success of medical treatment.

RT-9-C-1 (66-1). IMPROVED METHODS OF PAIN RELIEF IN CANCER PATIENTS. James W. Watts, M.D.

To develop methods of safely relieving chronic disabling *pain* that will directly aid in the rehabilitation or comfort of *cancer* patients.

RT-9-C-3 (67-3). ENDOCRINE FACTORS IN CANCER REHABILITATION. Louis K. Alpert, M.D.

To study the *metabolic abnormalities* in *cancer* patients in determining alternatives which form the basis for disabilities and reduced physical capacity.

RT-9-C-1 (67-4). REHABILITATION OF PATIENTS WITH CHRONIC RENAL FAILURE. A. E. Parrish, M.D.

To train patients in the use of the *artificial kidney* in their home.

RT-9-C-3 (68-1). ESTABLISH CRITERIA FOR REHABILITATIVE CLASSIFICATION OF PATIENTS WITH INTERMITTENT CLAUDICATION--PILOT STUDY.
Juan B. Calatayud, M.D.

To provide objective information on patients with *intermittent claudication* under laboratory and normal environment conditions.

RT-9-C-3 (68-1). REHABILITATION STUDIES IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD), PART B. Harold M. Silver, M.D.

To provide better means of detection and care for patients with *chronic obstructive pulmonary disease*.

RT-9-C-3 (69-1). THE ROLE OF GROUP THERAPY IN HELPING THE MULTIPLE SCLEROSIS PATIENT TOWARD A MORE PRODUCTIVE LIFE. Virginia Duggins, M.D.

To explore the effects of *group therapy* on a select group of *multiple sclerosis* patients as it affects their vocational rehabilitation potential.

RT-9-C-3 (69-1). CORRELATION OF EEG, BRAIN SCAN, AND MOTOR FUNCTION IN STROKE PATIENTS.
A. F. Mastellone, M.D.

A pilot study of the relationship between *brain scan* abnormalities, EEG, and motor deficits in patients with early *stroke* symptoms.

RT-9-C-3 (69-2). REDUCTION OF STUTTERING SYMPTOMS THROUGH OPERANT PROGRAMMING OF BALLISTIC SPEECH MOVEMENTS. Roland H. Tanck, Ph.D.

To demonstrate and test a procedure for the reduction of *stuttering symptoms* and explore the possibility of using the procedure in other speech deviations.

RT-10-C-3 (64-5). ALLOPURINOL IN GOUT.
Walter G. Briney, M.D.

To test the efficacy of *allopurinol* in *gout*.

RT-10-C-3 (64-3). COMPARISON OF HOME AND CLINIC REHABILITATION FOR THE CHRONICALLY ILL.
Jerome W. Gersten, M.D.

To compare the effectiveness and cost of *home* vs. *clinic rehabilitation* for *homebound patients*.

RT-10-C-3 (64-3). VALUE OF ISOMETRIC EXERCISES FOR THE QUADRICEPS MUSCLE IN THE CASTED LEG.
J. W. Gersten, M.D.

To determine whether *muscle atrophy* following casting can be minimized through the use of appropriate exercise.

RT-10-C-1 (65-1). BASAL METABOLISM, THYROID, AND SYMPATHETIC ACTIVITY IN MAN AT HIGH ALTITUDE. Henry Beckwitt, M.D.

To determine the effect of stress on *endocrine function*.

RT-10-C-1 (65-3). EFFECT OF CHRONIC OXYGEN ADMINISTRATION ON THE PULMONARY CIRCULATION IN CHRONIC AIRWAY OBSTRUCTION.
Henry Beckwitt, M.D.
To ascertain the effect of chronic oxygen administration on *pulmonary circulation* in *chronic airway obstruction*.

RT-10-C-3 (65-5). EFFECT OF EXERCISE ON AGING.
Henry Beckwitt, M.D.
To study the effects of *exercise* on *aging*.

RT-10-C-3 (65-1). SOME PROBLEMS IN THE DOCTOR-PATIENT RELATIONSHIP. Herbert Bynder, Ph.D.
To ascertain some of the significant problems in the *doctor-patient relationship*.

RT-10-C-3 (65-5). ALCOHOLISM SERVICES IN PUBLIC HEALTH. Herbert Bynder, Ph.D.
To evaluate vocational rehabilitation services for *alcoholics* serviced by local health departments.

RT-10-C-3 (65-1). EFFECTS OF HYPOGLYCEMIA ON LEARNING ABILITY IN RATS.
Shelby J. Clayson, RPT.
To discern the effects of *hypoglycemia* on *learning ability* in rats.

RT-10-C-3 (65-5). GAS TRANSPORT IN THE HUMAN LUNG AND THE CARDIOPULMONARY PHYSIOLOGY OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH SPECIAL REFERENCE TO THE EFFECTS OF THERAPEUTIC MEASURES ON THE CARDIAC OUTPUT AND DELIVERY OF OXYGEN TO THE TISSUE DURING REST, EXERCISE AND CONTROLLED VENTILATION. Giles F. Filley, M.D.
To obtain a better understanding of the physiological events which lead to respiratory failure in patients with *chronic obstructive lung disease* and of the effects of this failure on *gas transport*.

RT-10-C-3 (65-3). ANALYSIS OF EXTERNAL WORK OF WALKING. Jerome W. Gersten, M.D.
The development of computer programs to handle data on *accelerometer signals*.

RT-10-C-3 (65-3). ANALYSIS OF PHYSICAL EFFORT AND EFFICIENCY OF WALKING IN THE PARAPLEGIC PATIENT. Jerome W. Gersten, M.D.
To obtain information on the *energy cost*, efficiency, and the effect of bracing on the *walking* process for *paraplegics*.

RT-10-C-3 (65-3). DIAGNOSTIC FEASIBILITY OF FOURIER ANALYSIS OF MOTOR UNIT ACTION POTENTIALS. J. W. Gersten, M.D.
To determine whether *harmonic analysis* can be used to detect differences between neuropathy and myopathy; and whether the carrier state in *Ducherne muscular dystrophy* can be detected.

RT-10-C-3 (65-1). EFFECT OF DRUGS ON PAIN AND MUSCLE SPASM. J. W. Gersten, M.D.
To obtain information on *drugs* relative to the modification of *pain* and *muscle spasm*.

RT-10-C-1 (65-1). HARMONIC ANALYSIS IN CARRIERS OF DUCHENNE MUSCULAR DYSTROPHY.
J. W. Gersten, M.D.
To identify the carrier state in *muscular dystrophy*.

RT-10-C-3 (65-2). DIFFERENCES IN PERCEPTUAL-MOTOR LEARNING AND EFFECTS OF GOAL INCENTIVES IN HEMIPLEGIC PATIENTS.
James W. McDaniel, Ph.D.
To determine relative effects of varying *goal-incentive conditions* of *perceptual-motor learning* for right and left hemiplegic patients and the interaction of these effects with social facilitation condition.

RT-10-C-3 (65-2). RELATION OF SUBJECTIVE PROBABILITY ESTIMATES OF PATIENT PROGRESS.
James W. McDaniel, Ph.D.
To obtain estimates of *rehabilitation* probability in regard to: occupational, physical, and financial independence, activities of daily living, functional physical improvement, and changes in life style.

RT-10-C-3 (65-2). EFFECT OF TRAUMA AND STRESS ON MUSCLE CONTRACTIBILITY: CONTRACTIBILITY OF GLYCEROL-EXTRACTED RAT MUSCLE FIBERS AFTER ADRENALECTOMY. Alan Sexton, Ph.D.
To establish the effects of *steriod hormones* on *muscle contractibility* with special emphasis on their ultimate effect of ambulation training of *paraplegics*.

RT-10-C-3 (66-1). IMMUNOGLOBULIN DISORDERS IN POLYMYOSITIS. Walter G. Briney, M.D.
To evaluate the basic *immunologic mechanisms* involved in *polymyositis*.

RT-10-C-3 (66-1). URINARY XANTHINE AND HYPOXANTHINE LEVELS DURING DRUG THERAPY IN GOUT.
Walter G. Briney, M.D.
To ascertain the metabolic effects of 4-hydroxypyrazolo (3,4-d) pyrimidine *(allopurinol)* in regard to the safety and effectiveness over a long period of time in treating *gout*.

RT-10-C-3 (66-1). DEVELOPMENT OF BIBLIOGRAPHIES IN THE SOCIOLOGY OF AGING, CHRONIC DISEASES AND REHABILITATION. Herbert Bynder, Ph.D.
To provide a bibliograpy on the *sociology of aging*, *sociology of chronic diseases*, and *rehabilitation* to better disseminate available information.

RT-10-C-3 (66-2). DOCTORS AS PATIENTS: A STUDY OF THE MEDICAL CARE OF PHYSICIANS AND THEIR FAMILIES. Herbert Bynder, Ph.D.

An inquiry into the sociological factors which operate in the choice of physicians by other *physicians*.

RT-10-C-3 (66-1). EMILE DURKHEIM AND THE SOCIOLOGY OF THE FAMILY. Herbert Bynder, Ph.D.

To bring to English speaking readers *Durkheim's* work on the *sociology of the family*.

RT-10-C-3 (66-2). PREDICTION OF JOB SUCCESS FOLLOWING MYOCARDIAL INFARCTION. John D. Gressett.

To determine reliable predictors of *reemployment potential* of *cardiac patients* (to be used by work classification units).

RT-10-C-3 (66-2). DEPRESSIONS AND STEROIDS IN PARAPLEGIC PATIENTS. James W. McDaniel, Ph.D.

To make a longitudinal assessment and correlation of *depression* and denial in *paraplegics* of recent onset and urinary excretion rates of 11-CHCS.

RT-10-C-3 (66-2). WORK ATTITUDES AND VALUES IN RELATION TO VOCATIONAL REHABILITATION SUCCESS. James W. McDaniel, Ph.D.

To determine the strength of relationship between *work attitudes and values* in relation to *vocational rehabilitation success*.

RT-10-C-3 (66-4). PERCEPTUAL PROBLEMS IN THE HEMIPARETIC PATIENT. Phyllis E. Page, M.D.

To study the effect of *perceptual motor training* programs on perceptional deficits.

RT-10-C-3 (66-3). STUDY OF SOCIAL FACILITATION IN LEARNING AND GROUP COUNSELING FOR THE HEMIPLEGIC PATIENT. Phyllis E. Page, M.D.

To determine the manner in which *hemiparetics* learn and which type of *group therapy facilitates* maximum functional recovery.

RT-10-C-3 (66-1). DIFFERENCES BETWEEN RED AND WHITE MUSCLE FIBERS IN DEGREE AND RATE OF TENSION DEVELOPMENT. Alan W. Sexton, Ph.D.

To increase our understanding of the basic differences in red and white *muscle fibers* by comparing maximal tension development and rate of tension onset in fibers of predominantly red or predominantly white muscles.

RT-10-C-3 (66-2). EFFECT OF TRAUMA AND STRESS ON MUSCLE CONTRACTIBILITY: CONTRACTIBILITY AS RELATED TO PLASMA CORTICOSTERONE IN RATS. Alan W. Sexton, Ph.D.

To study the relationship between levels of plasma corticosterone in the rat and the contractility of glycerol-extracted white *muscle fibers*.

RT-10-C-3 (66-2). EFFECT OF TRAUMA AND STRESS ON MUSCLE CONTRACTILITY: PLASMA STEROIDS AND URINARY CATECHOL AMINES IN PARAPLEGICS DURING AMBULATION TRAINING. Alan Sexton, Ph.D.

To determine if levels of *steroids*, altered by stress of ambulation are sufficient to impair the efficiency of muscles used by *paraplegics*.

RT-10-C-2 (66-2). ENZYMES OF THE LUNG. Albert E. Vatter.

A study of the distribution of *enzymes* within the *lung* and the roles they play in metabolism.

RT-10-C-3 (67-2). SOCIO-MEDICAL FACTORS IN THE REFERRAL OF ARTHRITIC PATIENTS TO THE DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION. Herbert Bynder, Ph.D.

To determine whether there are any *socio-medical factors* which influence *referral* of *arthritic patients* for rehabilitative services.

RT-10-C-3 (67-3). DETERMINATION OF PRESSURES IN THE PROSTHETIC SOCKET. James S. Miles, Ph.D.

To ascertain the pressures which are developed in the *prosthesis* at a very few limited sites.

RT-10-C-3 (67-1). MUSCLE PROTEIN FRACTIONATION IN NORMAL AND ADRENALECTOMIZED RATS. Alan W. Sexton, Ph.D.

To explain the differences by studying *muscle protein* fractions.

RT-10-C-3 (67-1). EFFECT OF ISCHEMIA AND EXERCISE ON HARMONIC ANALYSIS AND CPK. Dorothy M. Stillwell, M.D.

To increase precision with which one can identify carriers of *Duchenne Muscular Dystrophy*.

RT-10-C-3 (67-3). A STUDY OF THE EFFECTIVENESS OF PROGRAMMED LEARNING PROCEDURES WITH ADULT APHASICS. Avery O. Vaughn, Ph.D.

To establish the effectiveness of *programmed learning* procedures with adult *aphasics*.

RT-10-C-3 (68-2). STUDY OF AUDITORY AND VISUAL PERCEPTION IN CHILDREN WITH MYELOMENINGOCELE. Kathleen C. Bryant.

To determine *perception* in nonambulatory *myelomeningocele* children.

RT-10-C-3 (68-1). ISSUES AND PROBLEMS IN THE TEACHING OF SOCIAL SCIENCE IN HEALTH PROFESSIONAL SCHOOLS. Herbert Bynder, Ph.D.

To evaluate how the teaching process has taken place and suggestions for the use of *social science* in *health professional schools*.

RT-10-C-3 (68-1). THE PATIENT, HIS FAMILY, AND THE REHABILITATION PROCESS. Herbert Bynder, Ph.D.

An attempt to determine the actual role of *the family* in the whole *process of rehabilitation*, including vocational rehabilitation.

RT-10-C-3 (68-3). APPLICATION OF A TECHNIQUE FOR MEASURING THE TONGUE OF AN AGONIST-ANTAGONIST MUSCLE SYSTEM. Frank Cenkovich, M.D.

To measure the net passive *elasticity in muscle*, and the effect of *muscle contraction* on this elasticity.

RT-10-C-3 (68-2). PARENTAL DETERMINANTS OF THE ADJUSTMENT OF CHILDREN WITH BIRTH DEFECTS. Claire A. Fishman, Ph.D.

To isolate aspects of *parental attitudes and behaviors* which seem to be partial determinants of the *disabled child* self-concept and behavioral adjustment.

RT-10-C-3 (68-1). RELATION BETWEEN STRENGTH, RANGE OF MOTION, AND FUNCTIONAL ACTIVITIES. Jerome W. Gersten, M.D.

To develop a model describing relationship between ADL (dependent variable), *strength*, and ROM (independent variable) *range of motion*.

RT-10-C-3 (68-3). PSYCHOLOGICAL-VOCATIONAL PROBLEMS OF ADAPTATION OF PATIENTS WITH CHRONIC RENAL DISEASES. James W. McDaniel, Ph.D.

Study of occupational performance and job satisfaction; and the effects of uremia and hemodialysis on perceptual-motor and cognitive functioning in patients with *chronic renal diseases*.

RT-10-C-3 (68-3). SUBMUCOUS CLEFT PALATE STUDY. Arthur Robinson.

To provide data for development of a program of prophylactic care for those with submucous *cleft palates*.

RT-10-C-3 (68-1). STUDY OF SKELETAL MUSCLE MICROSOMAL ACTIVITY. Alan W. Sexton, Ph.D.

A study of the effects of varying amounts of adrenal steroid hormones on the activity of *skeletal muscle* microsomes.

RT-10-C-3 (68-2). QUANTITATIVE ANALYSES OF THE SPEECH OF NEUROLOGICALLY IMPAIRED ADULTS. Avery O. Vaughn, Ph.D.

To develop procedures which provide quantitative objective measures of *speech impairment*.

RT-10-C-3 (68-2). THE ELECTROPHYSIOLOGY OF CAT MOTOR CORTEX IN CHRONIC CEREBRAL ISCHEMIA. Roy R. Wright.

To elucidate the basic pathophysiology of *stroke* as it relates to the recovery process.

RT-10-C-3 (66-). HEMODYNAMIC AND BLOOD GAS RESPONSES DURING TREATMENT OF ACUTE RESPIRATORY FAILURE. Henry Beckwitt, M.D.

To study changes in blood gases during treatment of acute respiratory failure.

RT-11-C-4 (65-5). HIGH-RISK POPULATION RESEARCH. Rick Heber, Ph.D.

To develop a longitudinal investigation into problems of *mental retardation*.

RT-11-C-4 (66-1). RELATIONSHIP OF OCULAR SCANNING ABILITY TO FUNCTIONAL READING SKILLS IN MENTALLY RETARDED. LeRoy Aserlind.

To determine deficjences in scanning abilities are in any way related to difficulties of *mentally retarded* persons in achieving a functional level of *reading skill*.

RT-11-C-4 (66-2). DESCRIPTION OF BEHAVIOR PROBLEMS IN THE MENTALLY RETARDED RESIDING IN THE COMMUNITY. William I. Gardner, Ph.D.

To describe through factor analytic techniques major clusters of factors of problem *behavioral characteristics*.

RT-11-C-4 (66-1). EFFECTIVENESS OF NORMAL AND RETARDED PEERS IN INFLUENCING JUDGMENTS OF MILDLY RETARDED ADOLESCENTS. William I. Gardner, Ph.D.

To evaluate the characteristics of verbally presented symbolic models which would influence judgments in a school-life task of *mildly retarded adolescents*.

RT-11-C-4 (66-1). MODIFICATION OF VERBAL BEHAVIOR IN MILDLY RETARDED ADOLESCENTS. William I. Gardner, Ph.D.

To evaluate the verbal behavior of *mildly retarded adolescents* by utilizing the Taffel technique of studying verbal conditioning.

RT-11-C-4 (66-3). USE OF BEHAVIOR MODIFICATION TECHNIQUES IN EVALUATION AND REMEDIATION OF PROBLEMS RELATED TO VOCATIONAL ADJUSTMENT OF THE MENTALLY RETARDED. William I. Gardner, Ph.D.

To evaluate the usefulness of behavior and modification procedures in remediation or treatment of a variety of behavior characteristics which interfere with *vocational adjustment of the mildly retarded* adolescent and young adult.

RT-11-C-4 (66-1). INCIDENTAL LEARNING AND LEARNING SET PERFORMANCE IN MENTALLY RETARDED, NORMAL, AND DEAF SUBJECTS. Rick Heber, Ph.D.

To determine whether there is a specific deficit in *incidental learning* in the *mentally retarded* and, if so, whether this deficit in incidental learning can be remediated or reduced through a learning set procedure.

RT-11-C-4 (67-1). EVALUATION OF BEHAVIOR MODIFICATION PROCEDURES IN CONTROLLING DISRUPTIVE BEHAVIORS IN DISTURBED RETARDED YOUNG ADULTS IN A WORK SETTING. W.I. Gardner, Ph.D.

To eliminate *disruptive behaviors* in a contingency environment.

RT-11-C-4 (67-1). USE OF BEHAVIOR SHAPING PROCEDURES TO INCREASE BASIC WORK SKILLS OF

RETARDED YOUNG ADULTS WITH DIFFICULT BEHAVIOR PROBLEMS. Winifred Culkin.

To develop and test the efficacy of effective *training procedures* for the *behaviorally disturbed mentally retarded person.*

RT-11-C-4 (67-1). PERFORMANCE OF RETARDATES ON BERKO'S TEST OF MORPHOLOGY. R. B. Dever, Ph.D.

To provide a more specific analysis of the actual usage of the American English *language by retardates* as compared to normals.

RT-11-C-4 (67-1). A COMPARISON OF THE RESULTS OF A REVISED VERSION OF BERKO'S TEST OF MORPHOLOGY WITH THE FREE SPEECH OF MENTALLY RETARDED. R. B. Dever, Ph.D.

To evaluate a technique of estimating errors in the *free speech* of educable level *mentally retarded.*

RT-11-C-4 (67-1). AN INVESTIGATION OF THE EFFECTS OF VERBAL PRE-TRAINING ON CONCEPT FORMATION IN YOUNG CULTURALLY DISADVANTAGED CHILDREN. Patrick J. Flanigan, Ph.D.

To isolate relevant variables affecting concept formation in young *culturally disadvantaged children.*

RT-11-C-4 (67-1). AN ITEM ANALYSIS OF THE CHILDREN'S MANIFEST ANXIETY SCALE WITH THE RETARDED. Patrick J. Flanigan, Ph.D.

To evaluate the effectiveness of a *psychological instrument* currently being utilized in the total evaluation process with the *mentally retarded.*

RT-11-C-4 (67-1). INTELLIGENCE, RESPONSE PATTERNS, AND CMAS PERFORMANCE IN CA MATCHED RETARDED AND NORMAL CHILDREN. Patrick J. Flanigan, Ph.D.

To investigate the reliability of one of the numerous *psychological instruments* that are extensively used to measure characteristics of *mentally retarded* individuals.

RT-11-C-4 (67-1). PROFESSIONAL OPINIONS REGARDING THE CONTENT IN TRAINING PROGRAMS IN THE AREA OF MENTAL RETARDATION: A SURVEY. Patrick J. Flanigan, Ph.D.

To elicit from professionals of varying disciplines areas of content which should be integrated into existing *training programs for the mentally retarded.*

RT-11-C-4 (67-1). RELIABILITY STUDY OF THE WPPSI. Patrick J. Flanigan, Ph.D.

To compare the *WPPSI,* WISC, and Binet in regard to their ability to detect the *mentally retarded child* in the early stages of his life.

RT-11-C-2 (67-1). TEST-RETEST RELIABILITY OF THE CHILDREN'S MANIFEST ANXIETY SCALE WITH RETARDED AND NORMAL SUBJECTS. Patrick J. Flanigan, Ph.D.

To investigate the validity and reliability of the *children's manifest anxiety scale* with a *retarded population.*

RT-11-C-4 (67-1). THE RELATIONSHIP OF REHABILITATION NEEDS OF THE MENTALLY RETARDED TO CLIENT, FAMILY, SCHOOL, AND COMMUNITY CHARACTERISTICS. Patrick J. Flanigan, Ph.D.

To identify the most promising avenues of research to base programming services to meet the *rehabilitation needs* of the *mentally retarded.*

RT-11-C-4 (67-3). DEVELOPMENT OF A BASIC WORK ORIENTATION IN THE INSTITUTIONALIZED MODERATELY/SEVERELY RETARDED ADOLESCENT AND YOUNG ADULT. William I. Gardner, Ph.D.

To evaluate the usefulness of a systematic approach based on *operant learning* principles in the development of a basic work orientation in the moderately/severely retarded adolescent and young adult residing in a residential facility.

RT-11-C-4 (67-1). DEVELOPMENT OF PROCEDURES FOR EVALUATION, EDUCATIONAL-TRAINING PROGRAMMING AND REMEDIATION OF BEHAVIORAL DEFICITS IN THE YOUNG DEVELOPMENTALLY RETARDED CHILD. William I. Gardner, Ph.D.

To construct and evaluate a Child Development Inventory for *developmentally retarded children.*

RT-11-C-4 (67-1). FREQUENCY OF FEARS AND CERTAIN HABIT DISTURBANCES IN THE MENTALLY RETARDED. William I. Gardner, Ph.D.

To develop and analyze a questionnaire designed to identify those children exhibiting fears, bed wetting, thumbsucking, stuttering, and other *habit disturbances.*

RT-11-C-4 (67-3). USEFULNESS OF BEHAVIOR SHAPING PROCEDURES IN DEVELOPMENT OF SIMPLE WORK SKILLS IN THE SEVERELY/PROFOUNDLY RETARDED WITH CHRONIC STEREOTYPE BEHAVIORS. William I. Gardner, Ph.D.

To investigate the usefulness of *behavior shaping techniques* based on basic operant learning principles in teaching severely/profoundly functioning institutionalized *mentally retarded* young adults simple task performance.

RT-11-C-3 (67-1). LEARNING SET EFFICIENCY IN MENTALLY RETARDED CHILDREN. Melvin E. Kaufman, Ph.D.

To investigate two different initial *learning set training* schedules.

RT-11-C-3 (67-1). RETENTION OF A LEARNING SET IN THE MENTALLY RETARDED AFTER AN INTERVAL OF ONE YEAR. Melvin E. Kaufman, Ph.D.

To test *learning set retention.*

RT-11-C-3 (67-1). TRANSFER OF TRAINING OF LEARNING SETS IN THE MENTALLY RETARDED: DISCRIMINATION REVERSAL. Melvin E. Kaufman, Ph.D.

To study the nature and direction of *transfer of training* of an object-quality learning set to a discrimination-reversal learning set.

RT-11-C-3 (67-1). THE EFFECTS OF AROUSAL AND VARYING REST INTERVALS ON ROTARY-PURSUIT LEARNING IN RETARDATES. Patrick J. Flanigan, Ph.D.

To assess the effect of *arousal* in varying rest intervals between massed practice trials on the acquisition of rotor pursuit skill in *moderately retarded disadvantaged youth*.

RT-11-C-3 (67-1). SEX LINKED MENTAL RETARDATION AND VERBAL DISABILITY. Robert Lehrke.

To investigate the trends and directions of *genetic transmission of mental traits* in the process of human reproduction.

RT-11-C-3 (67-1). RELIABILITY STUDY OF THE WPPST. Patrick J. Flanigan, Ph.D.

To compare results using the *WPPSI* and Binet *Instruments*.

RT-11-C-2 (67-1). THE VALUE SYSTEMS OF PROFESSIONAL INDIVIDUALS WORKING WITH THE HANDICAPPED. Patrick J. Flanigan, Ph.D.

To identify *intellectual and personality traits* of those who choose to work with the handicapped.

RT-11-C-3 (68-1). ARTICULATORY PATTERNING IN CHILDREN OF MENTALLY RETARDED MOTHERS. Rick Heber, Ph.D.

To investigate the *language acquisition* period of infants who have a high risk of developing as *mentally retarded* comparing them to non-high risk infants.

RT-11-C-3 (68-1). LINGUISTIC CHARACTERISTICS OF CULTURAL FAMILIAL MENTAL RETARDATES. Richard B. Dever, Ph.D.

To determine differences between *retarded* and nonretarded persons in their ability to handle the American English *language*.

RT-11-C-3 (68-1). REINFORCEMENT CONDITIONS AND LEARNING IN THE MENTALLY RETARDED ADOLESCENT. William I. Gardner, Ph.D.

To identify those *incentive conditions* which can be used to promote most effective *learning* in the mentally retarded adolescent.

RT-11-C-4 (68-1). ATTENTION SPAN AND RESPONSIVITY TO NOVELTY IN HIGH-RISK CHILDREN. Rick Heber, Ph.D.

To demonstrate that *attention span* is learned and partially dependent upon novelty and complexity of task.

RT-11-C-4 (68-2). THE APPLICATION OF INDIVIDUAL REHABILITATION PROCEDURES TO A WARD OF SEVERELY AND PROFOUNDLY RETARDED CHILDREN AND ADULTS. Rick Heber, Ph.D.

To demonstrate the efficacy of individual and small group *rehabilitative treatment programs* utilizing ward personnel as treatment implementers.

RT-11-C-4 (68-1). AUDITORY DISCRIMINATION ABILITY IN CHILDREN OF HIGH-RISK CULTURALLY DEPRIVED FAMILIES. Rick Heber, Ph.D.

To compare differences in *auditory discrimination* between high risk children in a family rehabilitation program and high-risk control children.

RT-11-C-4 (68-1). THE PHONEMIC SYSTEMS OF MENTALLY RETARDED AND NON-RETARDED ADULTS RESIDENT IN A CULTURALLY DEPRIVED URBAN AREA. Rick Heber, Ph.D.

To determine differences in characteristics of *dialect language patterns* in *culturally deprived* adult women (retarded and non-retarded).

RT-12-C-1 (65-1). ACADEMIC ACHIEVEMENT AS RELATED TO SUSTAINED VERSUS INTERRUPTED INSTITUTIONALIZATION. C. C. Cleland, Ph.D.

To determine the validity of the hypothesis that decrements occur in the individual's *academic achievement* when a summer furlough is or is not given:

RT-12-C-2 (65-1). IDIOCY AND LONGEVITY: A BRIEF NOTE. C. C. Cleland, Ph.D.

To ascertain whether institutionalized *profoundly retarded individuals* conform generally to the same pattern of *longevity* found among "normals."

RT-12-C-3 (65-1). THE INFLUENCE OF CLIMATE ON INTELLIGENCE TEST SCORES OF RETARDATES. C. C. Cleland, Ph.D.

To test the hypothesis that increased *work performance* is related to *temperature variations*.

RT-12-C-2 (65-1). SENSORY DEPRIVATION AND ABERRANT BEHAVIOR AMONG IDIOTS. C. C. Cleland, Ph.D.

To review relevant empirical and theoretical issues relating to the *development of idiots*.

RT-12-C-3 (65-2). NOTE ON EXPERIENCE IN ABILITY TO PREDICT RETARDATE'S JOB CHOICE. W. L. Dickerson, Ph.D.

To test the hypothesis that experienced *vocational rehabilitation counselors* can better predict the potentiality of a job for an individual than can subjects with either great experience or with high intellectual ability.

RT-12-C-2 (65-1). CLIMATOLOGIC INFLUENCE IN MENTAL RETARDATION AS RELATED TO THREE ETHNIC GROUPS. I. Iscoe.

To determine if there is a link between incidences of *retardation* and *season of birth*.

RT-12-C-3 (65-1). INTRA-INSTITUTIONAL PROBLEMS: ORGANIZATION AND PERSONALITY. C. C. Cleland, Ph.D.

To provide both theoretical and practical approaches to understanding the *dynamics of mass settings*.

RT-12-C-3 (65-1). USE OF THE BODY BOUNDARY CONCEPT WITH ADOLESCENT RETARDATES. Patricia J. Sailor, Ph.D.

To ascertain the *body boundary concept* for *mentally retarded teenagers*.

RT-12-C-3 (66-1). BIRTH ORDER AND MENTAL DEFICIENCY. C. C. Cleland, Ph.D.

To determine if ordinal positioning of children is linked to some pattern of *mental deficiency*.

RT-12-C-3 (66-1). BIRTH ORDER AND RURALISM AS POTENTIAL DETERMINANTS OF ATTENDANT TENURE. C. C. Cleland, Ph.D.

To test the influences of *birth order* and ruralism on the tenure of attendants.

RT-12-C-3 (66-1). CHANGING EXISTING ATTITUDES--A DISSONANCE APPROACH. C. C. Cleland, Ph.D.

To determine the validity of dissonance theory in changing *attitudes* of potential teachers and employees of the *mentally retarded*.

RT-12-C-3 (66-1). INTRA-INSTITUTIONAL PROBLEMS: A PARADIGM FOR EMPLOYEE STIMULATION. C. C. Cleland, Ph.D.

To develop a model to breakup *communication obstacles* for the *counselors* who are attempting to identify and secure good rehabilitation candidates.

RT-12-C-3 (66-1). INTRA-INSTITUTIONAL PROBLEMS: EMPLOYEE COMMUNICATIONS. C. C. Cleland, Ph.D.

To determine the number and scope of the readership of *"house organs"* in the area of *rehabilitation* as well as the kind and quality of the information.

RT-12-C-3 (66-1). SUSTAINED VERSUS INTERRUPTED INSTITUTIONALIZATION: II. C. C. Cleland, Ph.D.

To assess *peer versus home impact* on a variety of cognitive and noncognitive tasks.

RT-12-C-3 (66-1). THE USE OF INSULT AS AN INDEX OF NEGATIVE REFERENCE GROUPS. C. C. Cleland, Ph.D.

To obtain knowledge of *reference groups*, positive and negative, with which *retardates identify*.

RT-12-C-3 (66-1). REDUNDANT CHOICE BEHAVIOR ON CONCEPT LEARNING TASKS AMONG BRIGHT, NORMAL, AND RETARDED CHILDREN. W. L. Dickerson, Ph.D.

To improve efficiency in *skill training* and in developing a technology of environmental control for purposes of *social training*.

RT-12-C-3 (66-1). RESPONSES OF PROFESSIONAL PERSONNEL TO IN-SERVICE TRAINING STRATEGIES FOR EVALUATING SHORT TERM TRAINING. W. L. Dickerson, Ph.D.

To explore means for *evaluation of inservice training*.

RT-12-C-3 (66-). EFFECTS OF PRENATAL NIACIN AND RIBOFLAVIN DEFICIENCES IN PREGNANT RATS ON THE LEARNING ABILITY OF THE OFFSPRING. E. Megargee.

To ascertain the effects of *prenatal* niacin and riboflavin *deficiences* in pregnant rats on the *learning ability* of the offspring.

RT-12-C-3 (66-1). SURVEY OF BELIEFS AND OPINIONS REGARDING ETIOLOGY, OCCURRENCE, AND RELATED FACTORS IN CEREBRAL PALSY. T. Nasser.

To isolate certain parameters of agreement-disagreement on diagnoses of *cerebral palsy* as assessed by academy versus nonacademy physicians.

RT-12-C-3 (66-1). BIRTH ORDER, SEX, AND ACHIEVEMENT GAIN OF INSTITUTIONALIZED RETARDATES. W. F. Patton.

To test the validity of the following hypothesis: that females would improve more than males over an academic year; that later-borns would improve more in *academic achievement*.

RT-12-C-3 (66-1). COLOR AND DESIGN PREFERENCES OF MENTALLY RETARDED TEENAGERS. Patricia J. Sailor, Ph.D.

To highlight some of the methodological problems in applying the *Compton Fabric Preference Test* to *mentally retarded teenagers*.

RT-12-C-3 (66-1). MODIFICATION OF CLOTHING BEHAVIOR THROUGH SOCIAL REINFORCEMENT. Patricia J. Sailor, Ph.D.

To test the hypothesis that there can be a modification of *clothing behavior* through *social reinforcement*.

RT-12-C-3 (67-1). DEPRIVATION, REINFORCEMENT AND PEER SUPPORT AS WORK MOTIVATORS: A PARADIGM FOR HABILITATION OF OLDER RETARDATES. C. C. Cleland, Ph.D.

To provide a practical and positively oriented *research and placement* approach that affords a potentially valuable diagnostic feature via systematic "work-deprivation--hedonic satiation."

RT-12-C-3 (67-1). THE PLURAL ELITE AND REHABILITATION. C. C. Cleland, Ph.D.

To demonstrate the existence of elites in *institutional settings* and possible ways of utilizing such a phenomena.

RT-12-C-3 (67-1). WORK DEPRIVATION AND MOTIVATION TO WORK. C. C. Cleland, Ph.D.

To assess the effects of *work deprivation* and hedonic satiation on *retardates' motivation*.

RT-12-C-3 (67-1). CONCEPT LEARNING OF MENTALLY RETARDED CHILDREN UNDER CONDITIONS OF SIMULTANEOUS AND SEQUENTIAL PRESENTATION. W. L. Dickerson, Ph.D.

Ellis' theory of memory suggests that *retardates* would learn more efficiently under conditions of simultaneous presentation than under sequential conditions.

RT-12-C-3 (67-3). GROUP DYNAMICS AND INTERPERSONAL BEHAVIOR OF RETARDATES IN SHELTERED WORKSHOP AND INTERVENTION FACILITIES. W. L. Dickerson, Ph.D.

To investigate the significance of *social matrix* for *retardates' rehabilitation*.

RT-12-C-2 (67-2). PRODUCTIVE AND REACTIVE BEHAVIOR AS A FUNCTION OF INSULTS AND STATUS OF WORK MATE. W. L. Dickerson, Ph.D.

To assess effects of insults and *interaction agents* on various measures of *work performance*.

RT-12-C-3 (67-1). SOCIOGRAMS AND SPONTANEOUS SEATING CHOICES. W. L. Dickerson, Ph.D.

To develop and demonstrate a means of capturing *group structures* without formal assessments.

RT-12-C-3 (68-1). DISSONANCE, AROUSAL AND ANXIETY. A PARADIGM FOR TAXONOMIC CLASSIFICATION OF PROFOUND RETARDATES' COMMUNICATIONS. C. C. Cleland, Ph.D.

To provide a model for study of *communications* of nonverbal *profound retardates*.

RT-12-C-3 (68-1). INSTITUTIONAL AND GENERAL PROGRAMS. C. C. Cleland, Ph.D.

To provide a more rational and humanistic orientation to any *residential institution*.

RT-12-C-3 (68-1). INSTITUTIONAL DIRECT-CARE WORKERS' SPATIAL DISTRIBUTION. C. C. Cleland, Ph.D.

To survey labor market boundaries for more effective recruitment of *institutional direct-care workers*.

RT-12-C-3 (68-1). PROXIMITY TO AND ATTITUDES TOWARD RETARDATES. C. C. Cleland, Ph.D.

To ascertain the spatial and *attitudinal* uniqueness of groups of *retardates* and the mentally ill in a target community.

RT-12-C-3 (68-1). A FACTOR ANALYSIS OF RETARDATES' RESPONSE TO THE CMAS. W. L. Dickerson, Ph.D.

To explore factor structure and construct validity of *CMAS* in use with retardates.

RT-12-C-3 (68-2). A SIX YEAR FOLLOW-UP OF 125 SUCCESSFUL AND UNSUCCESSFUL MALE RETARDATES. W. L. Dickerson, Ph.D.

To provide a data pool for cross-sectional and predictive studies in the area of rehabilitation of male *retardates*.

RT-12-C-3 (68-1). NUMBER OF ATTRIBUTAL VALUES OF CONCEPT LEARNING TASKS AND CHOICE BEHAVIOR OF RETARDATES. W. L. Dickerson, Ph.D.

To relate *cognitive characteristics* to *social behavior* in situations of varying complexity.

RT-12-C-3 (68-1). PREDICTION OF CLIQUE MEMBERSHIP AMONG RETARDATES: AN ADJUNCT TO IMPLEMENTING EVALUATION. W. L. Dickerson, Ph.D.

To predict *clique membership* among *retardates* from demographic data using multiple discriminant function analysis.

RT-12-C-3 (68-1). PREDICTION OF INTERPERSONAL ASSOCIATIONS OF RETARDATES. W. L. Dickerson, Ph.D.

To develop predictive parameters of *peer associations* for maximizing peer contributions to effectiveness of *retardates'* educative and habilitative programs.

RT-12-C-3 (68-1). WORK PERFORMANCE AND ADJUSTMENT OF RETARDATES: I. THEORETICAL CONSIDERATIONS. W. L. Dickerson, Ph.D.

To develop a mathematical model for *work competency* of *retardates*.

RT-12 (68-2). MULTI-LANGUAGE COMPUTER ASSISTED INSTRUCTIONAL EVALUATION PROGRAMS FOR THE PREVOCATIONAL AND VOCATIONAL TRAINING OF THE MENTALLY RETARDED AND DISADVANTAGED. Jack Knutson, Ph.D.

To develop Computer Assisted Instruction programs which will be used to teach *prevocational skills* to *mentally retarded children*.

RT-12-C-3 (68-1). MARKETING PRACTICES AND INSTITUTIONAL SERVICES. R. Neman.

To use marketing practices as a means of maximizing *institutional services*.

RT-12-C-3 (69-1). A MODEL FOR RESEARCH DISSEMINATION IN REHABILITATION. Walter Berard, Ed.D.

To develop a conceptual model for effective *dissemination of research findings* and program innovations.

RT-12-C-3 (69-2). DEVELOPMENT OF SIMULATION AND POLICY CAPTURING PROCEDURES IN THE PROFESSIONAL EDUCATION OF REHABILITATION PERSONNEL IN MENTAL RETARDATION. Walter Berard, Ed.D.

To develop flexible, reality-oriented *training* experiences for *mental retardates* that have an inherent system of training evaluation.

RT-12-C-3 (69-1). ANALYSIS OF STATE AGENCY MR FOLLOW-UP STUDY DATA. W. L. Dickerson, Ph.D.

To *evaluate* the program for mentally retarded clients.

RT-12-C-3 (69-2). PROBLEMS AND METHODS OF COORDINATING COMMUNITY REHABILITATION SERVICES. W. L. Dickerson, Ph.D.
To plan a comprehensive *community program* with particular reference to the *model cities* program.

RT-12-C-3 (69-1). DEVELOPMENT AND DEMONSTRATION OF A TIME SERIES PROGRAM EVALUATION PROCEDURE FOR REHABILITATION AGENCIES. H. Dingman, Ph.D.
To follow the *progress* of a group of *rehabilitation clients* through the program of selected facilities.

RT-12-C-3 (69-1). CULTURE, FAMILY, AND POVERTY IN THE REHABILITATION OF RETARDATES: SURVEY OF THE ATTITUDES OF SPANISH SURNAME PROFESSIONAL REHABILITATION RELATED PERSONNEL TOWARD REHABILITATION AND SPECIAL EDUCATION PROGRAMS. A. M. Henshel.
To survey *attitudes* of Spanish surname rehabilitation-related professionals toward rehabilitation and special education programs.

RT-12-C-3 (69-3). A VOCATIONAL EVALUATION PROCEDURE FOR THE DEAF RETARDATE. A. Halpern, Ph.D.
To develop procedures for evaluating the *deaf low-language skill retardate*.

RT-12-C-3 (69-1). GROUP DYNAMICS IN INTERVENTION FACILITIES: II. PROGRAMS OF HALFWAY HOUSES FOR THE RETARDED. A. M. Henshel.
A sociological survey of operating procedures, program structure, and personal factors involved in operating *halfway houses* for the *mentally retarded*.

RT-12-C-3 (69-1). GROUP DYNAMICS IN INTERVENTION FACILITIES: III. VALUES, STATUS AND REHABILITATION MOTIVATION IN HALFWAY HOUSES FOR MENTAL RETARDATES. A. M. Henshel.
To clarify the effective psycho-social management of *halfway houses* for the *retarded*.

RT-12-C-3 (69-1). REVIEW OF REHABILITATION CURRICULA FOR THE RETARDED. King Moody.
To review *rehabilitation curricula* for the *retarded* and to collate objectives and content.

RT-13-C-1 (65-1). THE CONTRIBUTIONS OF FIVE MAJOR SYSTEMS OF COUNSELING AND THERAPY TO UNDERSTAND SIGNIFICANT HUMAN ENCOUNTERS. Bernard G. Berenson, Ph.D.
To investigate the major contributions, limitations, and values of five major *systems of counseling and therapy*.

RT-13-C-2 (65-2). THE PREDICTION OF NURSES' SUCCESS IN BOTH ACADEMIC AND PRACTICAL SITUATIONS. Kevin Mitchell, Ph.D.

To develop better standards in *selecting* persons *for nursing training* and in selecting *nursing staff* to work in rehabilitation agencies.

RT-13-C-3 (65-2). THE ROSENZWEIG PICTURE-FRUSTRATION STUDY AS A MEASURE OF REACTION TO PERSONAL EVALUATION. Kevin Mitchell, Ph.D.
To help predict which *delinquent youngsters* should be able to profit most from *vocational rehabilitation training*.

RT-13-C-1 (65-1). A STUDY OF THE SCHIZOPHRENIC MOTHER CONCEPT BY MEANS OF THE TAT. Kevin Mitchell, Ph.D.
To study *mothers of schizophrenic* children by means of the Thematic Apperception Test.

RT-13-C-1 (65-1). CHANGE IN SELF-CONCEPTS DURING GROUP PSYCHOTHERAPY AS A FUNCTION OF ALTERNATE SESSIONS AND VICARIOUS THERAPY. Charles B. Truax, Ph.D.
To assess the impact of two contextual factors (alternate sessions and vicarious therapy pretraining) on *client outcomes in group counseling or psychotherapy*.

RT-13-C-1 (65-1). EFFECTS OF GROUP PSYCHOTHERAPY WITH HIGH ACCURATE EMPATHY AND NONPOSSESSIVE WARMTH UPON FEMALE INSTITUTIONALIZED DELINQUENTS. Charles B. Truax, Ph.D.
To evaluate the effects of high levels of *counselor* or therapist nonpossessive warmth, accurate empathy, and genuineness upon rehabilitation of *juvenile delinquents* during *group counseling or psychotherapy*.

RT-13-C-1 (65-1). INFLUENCE OF PATIENT STATEMENT ON JUDGMENTS OF THERAPIST STATEMENTS DURING PSYCHOTHERAPY. Charles B. Truax, Ph.D.
A methodological study of patient statements on the *judgments of therapists* during *psychotherapy*.

RT-13-C-1 (65-1). THE THERAPIST'S CONTRIBUTION TO ACCURATE EMPATHY, NONPOSSESSIVE WARMTH AND GENUINENESS IN PSYCHOTHERAPY. Charles B. Truax, Ph.D.
To evaluate the effect of clients and therapists in determining the *level of empathy*, warmth, and genuineness that occurs during *individual therapy*.

RT-13-C-3 (65-1). THERAPIST EMPATHY, GENUINENESS AND WARMTH AND PATIENT THERAPEUTIC OUTCOME. Charles B. Truax, Ph.D.
A cross-validation of findings suggesting that in therapy or counseling high *therapeutic conditions* lead to client improvement or rehabilitation while low therapeutic conditions lead to client lack of rehabilitation or deterioration on 40 outpatients treated.

RT-13-C-1 (65-). THERAPIST EMPATHY, WARMTH, AND GENUINENESS AND PATIENT PERSONALITY CHANGE

IN GROUP PSYCHOTHERAPY: A COMPARISON BETWEEN UNIT MEASURES, TIME SAMPLE MEASURES AND PATIENT PERCEPTION MEASURES. Charles B. Truax, Ph.D.

To evaluate the effects of objective *measures of therapist empathy*, warmth, and genuineness versus the *client's* reported *perception* upon rehabilitation outcome.

RT-13-C-2 (66-1). THE DIFFERENTIAL EFFECT OF MANIPULATING LEVELS OF FACILITATIVE CONDITIONS OF HIGH AND LOW FUNCTIONING TEST ADMINISTRATORS IN A VARIETY OF TESTING SITUATIONS, ON THE TEST RESULTS OF HIGH AND LOW. Bernard G. Berenson, Ph.D.

To investigate a significant body of evidence suggesting that the level of client depth of *self-exploration* is directly related to the level of therapist offered *facilitative conditions*.

RT-13-C-3 (66-1). A MEASUREMENT OF THE DEPTH OF FOCUSED INTERPERSONAL RELATIONSHIPS IN PSYCHOTHERAPY. Kevin M. Mitchell, Ph.D.

To develop a scale measuring the here and now encounter between therapist and patient in *psychotherapy*.

RT-13-C-2 (66-1). CONSTRUCTION OF THE IMMEDIATE COUNSELOR/CLIENT RELATIONSHIP SCALE. Rosamond Mitchell.

To yield additional information regarding the specific elements necessary in the *counseling situation* for *client improvement*.

RT-13-C-2 (66-1). USE OF INITIAL PATIENT MEASURES IN THERAPY TO DIFFERENTIATE BETWEEN PATIENTS BENEFITTED AND HARMED. Rosamond Mitchell.

To predict what *types of clients* would benefit most from *counseling*.

RT-13-C-2 (66-2). THE PREDICTED DIFFERENTIAL EFFECTS OF HIGH AND LOW FUNCTIONING THERAPIST UPON LEVEL OF FUNCTIONING OF OUTPATIENTS. William A. Pagell.

To test the hypothesis that *therapist functioning* above a certain minimal level and at a higher level than their patients can be effective.

RT-13-C-2 (66-1). VERBAL AND NONVERBAL CUES OF THERAPEUTIC INTERPERSONAL BEHAVIOR. Jeffrey G. Shapiro, Ph.D.

To demonstrate the relationship between *therapist manifestations of empathy*, warmth, and genuineness to the client's *personality growth*.

RT-13-C-3 (66-1). SELF-CONCEPT AND CLIENT BENEFIT. Charles B. Truax, Ph.D.

To identify elements of self and *ideal-self system* predictive of outcome and consequent changes.

RT-13-C-3 (67-1). LEVEL OF THERAPIST FUNCTIONING, TYPES OF CONFRONTATION, AND TYPE OF PATIENT. Bernard G. Berenson, Ph.D.

To explore the interaction between level of *therapist functioning*, types of *confrontation*, and type of patient.

RT-13-C-3 (67-1). COUNSELOR REFERENCE TO SIGNIFICANT OTHERS AND CLIENT OUTCOME. Kevin M. Mitchell, Ph.D.

To determine the relationship between counselor reference to *"significant others"* and positive *client outcome*.

RT-13-C-3 (67-1). NORMATIVE DATA ON STIMULUS-SEEKING BEHAVIOR. Kevin M. Mitchell, Ph.D.

To determine the degree to which college students engage in *stimulus-seeking behavior* or under what has been called a curiosity drive.

RT-13-C-3 (67-1). STIMULUS-SEEKING BEHAVIOR IN THE MOTHERS OF SCHIZOPHRENIC CHILDREN. Kevin M. Mitchell, Ph.D.

To differentiate between mothers of schizophrenic and mothers of normal children. To test the hypothesis that *mothers of schizophrenic children* are less likely than mothers of normal children to seek out novelty or to show curiosity.

RT-13-C-3 (67-1). TIME PERSPECTIVE IN MOTHERS OF SCHIZOPHRENIC CHILDREN. Kevin M. Mitchell, Ph.D.

To ascertain the patterns of time perspective in *mothers of schizophrenic children*.

RT-13-C-3 (67-1). PERCEPTION OF THERAPEUTIC CONDITIONS, DISCLOSURE, AND MENTAL HEALTH STATUS IN IN-PATIENT AND OUT-PATIENT POPULATIONS. Jeffrey G. Shapiro, Ph.D.

To study the relationship of free affect *disclosure* and *mental health*.

RT-13-C-3 (67-1). INTERPERSONAL REINFORCEMENT AND CLIENT OUTCOME AND PROCESS. Charles B. Truax, Ph.D.

To evaluate the effects of the use of *interpersonal skills* as reinforcers for *shaping client behavior*.

RT-13-C-1 (67-1). THERAPIST PERSUASIVE POTENCY AND THERAPEUTIC BENEFIT. Charles B. Truax, Ph.D.

To identify *characteristics of counselors* or therapists that contribute to *vocational rehabilitation progress* and personality change.

RT-13-C-3 (67-1). EVALUATION OF TREATMENT OUTCOME BASED ON PSYCHOMETRIC INTERPRETATION OF MMPI PROFILES. Donald G. Wargo, Ph.D.

To evaluate *treatment outcome* based on psychometric interpretation of Minnesota Multiphasic Personality Inventory profiles.

RT-13-C-3 (67-1). PATIENT DEPTH OF INTRAPER-

SONAL EXPLORATION AS A FUNCTION OF MEPROBAMATE AND PLACEBO. Donald G. Wargo, Ph.D.

To investigate the effect of 6 weeks of treatment with either *meprobamate* or placebo on *depth of intrapersonal exploration* in *psychiatric interviews*.

RT-13-C-3 (67-2). PREDICTION OF VOCATIONAL REHABILITATION OUTCOME. Donald G. Wargo, Ph.D.

To predict student *response to rehabilitation* based on demographic and pretraining test data.

RT-13-C-3 (67-1). EFFECTS ON TREATMENT OUTCOME OF EMPATHY, WARMTH, AND GENUINENESS IN THE ADMINISTRATION OF PSYCHOACTIVE MEDICATION. Donald G. Wargo, Ph.D.

To determine the effects of empathy, warmth, and genuineness on *drug treatment outcome*.

RT-14-C-1 (65-2). A COMPARISON OF PHYSICAL MEDICINE DEPARTMENTS IN VOCATIONAL VS. PHYSICAL RESTORATION ORIENTED CENTERS. Karl Egerman, Ph.D.

To compare programs of *physical medicine* in departments of centers with varying *rehabilitation orientations*.

RT-14-C-2 (66-3). LEADERLESS GROUP THERAPY. Donald Angell, Ph.D.

To analyze the process and outcome of *leaderless group therapy*, as compared with group procedures involving traditional therapist leaders in authoritarian and democratic groups.

RT-14-C-2 (66-1). THE PRESERVATION AND SUPPORT OF VOCATIONAL POTENTIAL IN EPILEPTIC TRAINEES. Stephen Bondy, D.D.S.

To determine the effectiveness of a chemical compound called Mucoplex in preventing dilantin hyperplasia *in epileptics*.

RT-14-C-2 (66-1). FURTHER ANALYSIS OF "PATTERNS OF SERVICES" DATA. Karl Egerman, Ph.D.

To compare information which had been collected for the State of Pennsylvania through the *"Patterns of Services"* project under the direction of Dr. Martin Dishart with comparable data obtained on a nationwide basis.

RT-14-C-2 (66-1). NATIONAL SURVEY OF WORK EVALUATORS. Karl Egerman, Ph.D.

To obtain information about *work evaluators* and the nature of the work which they perform, the settings in which this work is performed, and the inservice training programs that work evaluators are currently undergoing.

RT-14-C-2 (66-2). DEVELOPMENT OF A SIGHT AND SOUND BASIC READING PROGRAM. Elmer Match, Ed.D.

To develop programmed, self-administered materials for teaching individuals to use the *Initial Teaching Alphabet* and format as a basis for learning to read.

RT-14-C-2 (66-2). PROGRAMMED INSTRUCTION OF A VOCATIONAL COURSE: RETAIL SALES TRAINING. Elmer Match, Ed.D.

To develop supplementary *programmed instructional materials* for training in a retail sales *vocational course*.

RT-14-C-2 (66-3). ANALYSIS OF STATE-OF-THE-ART IN VOCATIONAL EVALUATION. Ray Sankovsky, M.Ed.

To further analyze and investigate state-of-the-art data, evaluating techniques, methods, and models identified in the study of *vocational evaluation*.

RT-14-C-2 (66-4). INVESTIGATION OF REHABILITATION CLIENTS WHO VOLUNTARILY TERMINATED SERVICES. Raymond Sankovsky, M.Ed.

To establish a framework from which critical variables related to program dropouts can be derived and to construct or identify instruments that will discriminate between potentially successful and unsuccessful *rehabilitation clients* on the basis of the variables isolated.

RT-14-C-2 (66-4). INVESTIGATION OF REHABILITATION CLIENT DROPOUTS. Raymond Sankovsky, M.Ed.

To identify the critical factors which can be used to predict the potentially unsuccessful *rehabilitation client*.

RT-14-C-3 (67-1). STUDIES OF PHYSICAL WORKING (ENDURANCE) CAPACITY, PERCEIVED EXERTION, AND MOTIVATION FOR PHYSICAL WORK IN A REHABILITATION GROUP. Gunnar Borg, Ph.D.

To evaluate the *work capacity* and endurance of clients at the Pennsylvania Rehabilitation Center.

RT-14-C-3 (67-1). SURVEY AND FOLLOW-UP OF MENTALLY RETARDED CLIENTS IN TRAINING. Elmer Match, Ed.D.

To compare demographic, vocational, psychological, educational and training information of *mentally retarded clients* at the Pennsylvania Rehabilitation Center who finished their training with those who did not finish training.

RT-14-C-3 (67-1). COUNSELOR GUIDE TO WORKSHOPS (REHABILITATION FACILITIES EVALUATION TECHNIQUE). David Ramsey, M.S.

To develop an evaluative measurement for *workshop services* in areas of work evaluation, work adjustment, work training, and job training.

RT-14-C-4 (68-2). DEVELOPMENT OF A SCALE TO MEASURE HOW A CLIENT SEES HIS ENVIRONMENT IN A REHABILITATION SETTING (PRES). Tim Gust, Ph.D.

To develop a scale that will measure a *client's perception* of his environment in a *rehabilitation setting*.

RT-14-C-4 (69-). RESEARCH DATA BANK FOR THE RESEARCH AND TRAINING CENTER. (RT-14). Tim Gust, Ph.D.

To establish a *data bank* of rehabilitation client data for PRC and RT-14.

RT-14-C-4 (69-3). A STUDY OF ACTUAL VS. PERCEIVED WORK CAPACITY AS IT RELATES TO A CLIENT'S PERCEPTION AS A WORKER. Elmer Match, Ed.D.
To identify clients with discrepancies in their perception of *work capacity* that can be alleviated through early contact and behavior modification.

RT-14-C-4 (69-3). ASSESSMENT OF LEARNING DISABILITIES IN REHABILITATION CENTERS.
Leonard Wendland, Ph.D.
To develop an instrument designed to identify rehabilitation clients with *learning disabilities*.

RT-14-C-4 (65-3). SERIES OF FILMS ENTITLED, "INCREASING CAPABILITIES FOR QUADRIPLEGICS."
L. L. Trigiano, M.D.
To develop a filmed account of a *quadriplegic* performing various tasks and transfer functions.

RT-15-C-3 (67-1). DATA BANK STUDY.
T. L. Blaskovics, Ph.D.
To develop an *information storage and retrieval* system for research purposes.

RT-15-C-3 (67-2). HUMAN RELATIONS TRAINING PACKAGE. Oscar G. Mink, Ph.D.
To develop instructional training materials in *human relations* for *vocational instructors*.

RT-15-C-2 (67-1). DEVELOPMENT OF SIMPLIFIED CODING SYSTEM TO RECORD CLIENT DATA.
Joseph B. Moriarty, Ph.D.
To develop a *simplified coding system* whereby all significant biographical information (occupational, social, educational, etc.) could be stored in one document.

RT-15-C-2 (67-1). EFFECTS OF INTENSIVE SHORT-TERM TRAINING ON ATTITUDES OF NEWLY EMPLOYED COUNSELORS TOWARD THE DISABLED.
Joseph B. Moriarty, Ph.D.
To assess whether *training* can have an impact on the attitudes of *rehabilitation personnel*.

RT-15-C-3 (67-2). EVALUATION OF THE EFFECTS OF INTENSIVE SHORT-TERM TRAINING ON ATTITUDES OF COUNSELORS TOWARD THE DISABLED.
Joseph B. Moriarty, Ph.D.
To test the *attitudes* of rehabilitation counselors before and after their participation in the regional counselor *short-term training course*.

RT-15-C-2 (67-2). INVESTIGATION OF REHABILITATION DROPOUTS, WEST VIRGINIA REHABILITATION CENTER, INSTITUTE, AND WOODROW WILSON REHABILITATION CENTER, FISHERSVILLE, VIRGINIA.
Joseph B. Moriarty, Ph.D.
To provide a detailed picture of the modal successful and modal unsuccessful *rehabilitation client*.

RT-15-C-2 (67-1). SITE STUDY. Charles E. Smith.
To assess the effects of *site* on *psychological tests*.

RT-15-C-2 (67-1). VALIDATION OF REHABILITATION COUNSELOR RESPONSE EXERCISE.
Charles Stuart, Ph.D.
To test whether the *Rehabilitation Counselor Response Exercise* is a valid measure of the degree to which a rehabilitation counselor can establish an emphatic relationship with his clients.

RT-15-C-3 (68-2). DEVELOPMENT OF FACTORIALLY PURE MEASURES OF ABILITY IN CLIENT EVALUATION.
Joseph B. Moriarty, Ph.D.
To gain greater specificity in the *evaluation of the client's training aptitudes*.

RT-15-C-3 (68-2). INTRAFAMILIAL CONSISTENCY IN PERCEPTION OF DISABILITY AND ITS EFFECT ON REHABILITATION OUTCOME.
Joseph B. Moriarty, Ph.D.
To assess the effects of conflicting *role expectations* of the family on the success of disabled member's *progress in rehabilitation*.

RT-15-C-2 (68-1). ROLE OF PSYCHOLOGICAL UNIT IN A REHABILITATION CENTER.
Joseph B. Moriarty, Ph.D.
To provide a descriptive analysis of the function of a *psychological unit* in a *rehabilitation center*.

RT-15-C-3 (68-2). A WEIGHTED BIOGRAPHICAL INVENTORY FOR REHABILITATION CENTER CLIENTS.
Joseph B. Moriarty, Ph.D.
To establish empirical relationships between *client data* and (a) success in rehabilitation and (b) success in specific treatment alternatives.

RT-15-C-3 (68-1). DEMONSTRATE EFFECTIVE METHODOLOGY IN TRAINING THE REHABILITATION CLIENT. Gabriel A. Nardi, Ph.D.
To aid in the solution of *training problems* where students begin courses at different times and have different abilities.

RT-15-C-3 (68-2). EDUCATIONAL AND VOCATIONAL AIDS FOR THE BLIND. In-Meei Neou, Ph.D.
To design prototype models of inexpensive and more readily usable *devices for the blind*.

RT-15-C-3 (69-2). A FACTOR-ANALYTIC STUDY OF THE PERCEPTION OF DISABLILITY BY MEMBERS OF THE DISABLED PERSON'S FAMILY. Joseph B. Moriarty, Ph.D.

To assess *perception of disability* of differing diseases by members of the disabled's *family*.

RT-15-C-3 (69-2). BEHAVIOR MODIFICATION: PROJECT G (GROUP). Richard T. Walls, Ph.D.
To investigate effectiveness of various token reinforcement contingency models of *behavior modification*.

RT-15-C-3 (69-2). BEHAVIOR MODIFICATION: PROJECT I (INDIVIDUAL). Richard T. Walls, Ph.D.
To investigate the applicability of *behavior modification* or operant therapy paradigms to problems of individual rehabilitation clients.

RT-15-C-3 (69-1). EXPLORATORY STUDY OF THE TRAINING SERVICES GRANT PROGRAM. Joseph B. Moriarty, Ph.D.
To survey at the national level, the *Training Services Grant Program* in order to pinpoint both strengths and weaknesses of existing programs.

RT-15-C-3 (69-2). STANDARDIZATION OF WORK EVALUATION PROCEDURES. Joseph B. Moriarty, Ph.D.
To seek specification of impressions of *client performance* in both work samples and physical capacity scales.

RT-15-C-3 (68-). CLIENT'S SELF-EVALUATION AS A PREDICTOR OF SUCCESSFUL VOCATIONAL REHABILITATION. Meng-shu Tseng, Ph.D.
To develop and validate an instrument designed to predict client's success in vocational rehabilitation as a function of the *client's self-evaluation*.

RT-15-C-3 (68-). EXTENSION OF SIMPLIFIED CODING SYSTEM TO RECORD CLIENT TERMINATION AND FOLLOW-UP DATA. Meng-shu Tseng, Ph.D.
To determine what items of information concerning client completion and termination of rehabilitation training are to be included in the *coding* format.

RT-15-C-3 (68-). MULTIPLE PREDICTION OF VOCATIONAL REHABILITATION SUCCESS WITH CLIENT'S BIOGRAPHICAL AND PSYCHOMETRIC ATTRIBUTES AS PREDICTORS. Meng-shu Tseng, Ph.D.
To establish workable *multiple prediction models* for *vocational rehabilitation programs*.

RT-15-C-3 (68-). TRAINING INSTRUCTOR'S EVALUATION AS A PREDICTIVE INSTRUMENT OF CLIENT'S VOCATIONAL REHABILITATION. Meng-shu Tseng, Ph.D.
An attempt to validate an *instructor's rating scale* designed to predict *client success* in vocational rehabilitation.

RT-16-C-2 (66-1). EXPERIMENTAL ANALYSIS OF VOCATIONAL BEHAVIOR WITH SEVERELY RETARDED MALES: II LONG-TERM RETENTION OF OPERANT CHAINS. James E. Crosson, Ph.D.
To assess *retention* of previously programmed learning of a complex *operant chain* requisite to the completion of a selected workshop task.

RT-16-C-2 (66-1). EXPERIMENTAL ANALYSIS OF VOCATIONAL BEHAVIOR IN AN INSTITUTIONAL SETTING. James E. Crosson, Ph.D.
To evaluate the generalizability from workshop to other institutional work assignments of *operant conditioning* procedures for *vocational training* of the *severely retarded*.

RT-16-C-2 (66-5). EVALUATION OF SHORT-TERM TRAINING. Leo. A. Hammerlynck, Ph.D.
To evaluate the effectiveness of the Center's *short-term training* programs.

RT-16-C-2 (66-1). STUDIES IN PAIRED-ASSOCIATE LEARNING: I. THE EFFECTS OF VARIED STIMULUS CONDITIONS. Herbert J. Prehm, Ph.D.
To investigate the effect of three types of *paired-associate* lists on the learning performance of *retarded subjects*.

RT-16-C-2 (66-1). STUDIES IN PAIRED-ASSOCIATE LEARNING: II. AN INVESTIGATION OF THE EFFECTS OF SPELLING VERSUS PRONUNCIATION OF RESPONSE UNITS. Herbert J. Prehm, Ph.D.
To investigate the effect of having subjects spell response items as opposed to pronouncing them as a unit on *paired-associate learning*.

RT-16-C-2 (66-2). STUDIES IN PAIRED-ASSOCIATE LEARNING: III. AN INVESTIGATION OF THE EFFECTS OF THREE METHODS OF ORIGINAL LEARNING ON RETENTION. Herbert J. Prehm, Ph.D.
To compare three methods of learning on both *learning* and *retention* scores of mentally retarded and normal children.

RT-16-C-2 (66-2). TESTING THE VOCATIONAL INTERESTS OF THE MENTALLY RETARDED: A REVIEW OF THE LITERATURE. Herbert J. Prehm, Ph.D.
To maintain a periodic review of the literature regarding procedure used in assessing the *vocational interests* of the *retarded*.

RT-16-C-2 (67-1). TRANSACTIONAL ANALYSIS: AN ANALYSIS OF VARIATIONS IN CONTINGENCY PREDICTION AS A FUNCTION OF OBSERVER PRESENCE IN THE DATA COLLECTION ENVIRONMENT. Marilyn Bloch.
To measure the influence of the presence of an observer upon the *behavioral/environmental relationships* obtaining within specified environments.

RT-16-C-2 (67-1). DEVELOPMENT OF A TECHNIQUE FOR THE ANALYSIS OF BEHAVIORAL TRANSACTIONS IN NATURAL ENVIRONMENTS: PHASE I. James Crosson, Ph.D.
To gather specimen behaviors of *mentally retarded* young adults in various natural envi-

ronmental settings for the purpose of generating a set of inclusive behavioral classifications for use in the development of a *transactional analysis* instrument.

RT-16-C-3 (67-1). DEVELOPMENT OF A TECHNIQUE FOR THE ANALYSIS OF BEHAVIORAL TRANSACTIONS IN NATURAL ENVIRONMENTS: PHASE II. James Crosson, Ph.D.

To investigate the *behavioral transactions* of *mentally retarded* young adults in a school workshop setting in determining behavior related to vocational and social adjustment.

RT-16-C-2 (67-1). DEVELOPMENT OF A TECHNIQUE FOR THE ANALYSIS OF BEHAVIORAL TRANSACTIONS IN NATURAL ENVIRONMENT: PHASE III. James Crosson, Ph.D.

To analyze *behavioral/environmental* conditions with regard to antecedent events which appear to exercise controlling or mediating effects upon correlated behaviors.

RT-16-C-3 (67-1). THE EXPERIMENTAL ANALYSIS OF NATURAL STIMULUS CONTROL: I. THE TRAINABLE RETARDATE IN THE CLASSROOM. James Crosson, Ph.D.

To analyze the effect of an ABA sequence of motor *stimulus changes* and reversals in a classroom setting for the *trainable retardate*.

RT-16-C-2 (67-1). THE EXPERIMENTAL ANALYSIS OF VOCATIONAL BEHAVIORS: III. DAY SCHOOL PROGRAMS FOR THE TRAINABLE MENTALLY RETARDED. James Crosson, Ph.D.

To extend and further develop procedures for the functional analysis of vocational tasks and the preparation of programs of *vocational training* based on *operant conditioning* practices.

RT-16-C-2 (67-1). AN INVESTIGATION INTO THE FUNCTION OF NATURAL STIMULUS CONTROL IN A SPECIAL EDUCATION CLASSROOM. James Crosson, Ph.D.

To employ the technology of experimental behavior analysis in the study of the functions of *naturally occurring stimuli*.

RT-16-C-2 (67-1). TRANSACTIONAL ANALYSIS: OBSERVER RELIABILITY STUDY. James Crosson, Ph.D.

To investigate the *Transactional Analysis* instrument, technique, and training of observers by determining the reliability attained.

RT-16-C-2 (67-1). PAIRED-ASSOCIATE PERFORMANCE AS A FUNCTION OF SPEED VERSUS ACCURACY OF PERFORMANCE AND MEANINGFULNESS. Donald R. Logan.

To investigate the *paired-associate performance* of retardates as a function of speed versus accuracy of performance and meaningfulness of materials.

RT-16-C-3 (67-2). RETENTION PERFORMANCE IN RETARDED SUBJECTS AS A FUNCTION OF MEANINGFULNESS AND RESPONSE TIME DURING ORIGINAL LEARNING. Donald R. Logan.

To investigate the rote *learning and memory performance* of retardates as a function of response time and meaningfulness.

RT-16-C-3 (67-1). AN INVESTIGATION INTO THE ROLE OF STIGMA IN SOCIAL AND PERSONALITY DEVELOPMENT OF THE RETARDED: I. METHODOLOGICAL STUDY. Gordon Mullenix.

To evaluate methodological strategies employed in studies of the techniques by which *physically handicapped* persons mediate the impact of their disability in social situations.

RT-16-C-3 (67-1). A SAMPLING OF N.A.R.C. MEMBERSHIP OPINION REGARDING CRITICAL ISSUES IN MENTAL RETARDATION. Gordon Mullenix.

To estimate the range and consensus of opinions of the membership of the *National Association of Retarded Children*.

RT-16-C-3 (67-1). TRANSACTION ANALYSIS: THE EXPERIMENTAL DETERMINATION OF MAXIMALLY PREDICTIVE TIME SPANS FOR RECORDING TRANSACTION DATA. Gordon Mullenix.

To obtain data relevant to the establishment of standard data collection procedures in *transaction analysis*.

RT-16-C-2 (67-1). EFFECTS OF UNI-DIRECTIONAL TRAINING ON BI-DIRECTIONAL RECALL WITH MENTALLY RETARDED AND NORMAL CHILDREN. Herbert J. Prehm, Ph.D.

To investigate *bidirectional recall* in retardates as compared to normals when subjects were trained in a unidirectional manner.

RT-16-C-2 (67-2). STUDIES IN PAIRED-ASSOCIATE LEARNING: IV. ROTE LEARNING PERFORMANCE OF RETARDED AND NORMAL SUBJECTS. Herbert J. Prehm, Ph.D.

To compare the rote learning performance of retarded and normal subjects during the response learning and associative hookup stages of paired-associate learning.

RT-16-C-2 (67-1). WORD-ASSOCIATION NORMS FOR THE MENTALLY RETARDED: A PILOT STUDY. Herbert J. Prehm, Ph.D.

To investigate the feasibility of collecting *word-association norms* for the *retarded* on the Palermo-Jenkins (1964) extrapolation of the Kent-Rosanoff Word List as a function of type presentation.

RT-16-C-3 (67-3). WORD-ASSOCIATION NORMS FOR THE RETARDED. Herbert J. Prehm, Ph.D.

To estbalish *retardate* norms for the Palermo-Jenkins modification of the *Kent-Rosanoff Word List*.

RT-16-C-2 (68-1). A DEMONSTRATION OF STIMULUS

AND EXTINCTION OF AN OPERANT RESPONSE USING A CONCEPTUAL SD. Darrell William Bachman.
To investigate *stimulus control* in children.

RT-16-C-2 (68-1). AN INVESTIGATION OF THE EFFECTS OF VARYING ARTICULATION CONDITIONS AND PRONUNCIABILITY OF THE VERBAL LEARNING OF MENTALLY RETARDED ADOLESCENTS. Walter R. Berard, Ed.D.
To determine the effects of various articulation conditions on the *verbal learning* of *educable mentally retarded* adolescents.

RT-16-C-3 (68-1). AN EXPERIMENTAL ANALYSIS OF REINFORCING PROPERTIES OF SELECTED TRANSACTION ANALYSIS BEHAVIOR VARIABLES. James Crosson, Ph.D.
To define the accelerating and decelerating effects of specific *transaction analysis behavior* variables.

RT-16-C-2 (68-1). THE EFFECTS OF A TRAINING PROGRAM IN NEUROMUSCULAR RELAXATION UPON SELECTED PERFORMANCES OF EDUCABLE MENTALLY RETARDED CHILDREN. Harold Brockberg.
To investigate the level of residual tension in *educable mentally retarded* children between the ages of 11 and 14 and to determine if an instructional program in the technique of *neuromuscular relaxation* will alter the tension level.

RT-16-C-3 (68-). EVALUATION OF TRAINING: IMMEDIATE OUTCOMES. Philip Browning, Ph.D.
To evaluate, on an immediate followup basis, the effectiveness of *short-term training*.

RT-16-C-3 (68-). TRAINEE INPUT: IDENTIFYING INFORMATION. Philip Browning, Ph.D.
To develop a logical and empirical basis for *trainee selection*.

RT-16-C-3 (68-). TRAINING PROCESS: AN INVESTIGATION OF SMALL GROUP INTERACTION. Philip Browning, Ph.D.
To investigate selected critical variables that influence desirable *group interaction* and *group experiences*.

RT-16-C-3 (68-2). AN ANALYSIS OF SITUATIONAL DETERMINANTS OF WORK ADAPTATION IN THE TRAINABLE RETARDED. James Crosson, Ph.D.
To investigate, within the context of *situational determinants* of behavior, the relationship between personal-social and leisure-time adaptation and work-setting adaptation in the *trainable retarded*.

RT-16-C-3 (68-1). THE ANALYSIS OF SOCIAL CONTINGENCIES IN TASK SITUATIONS OF EMPLOYED TRAINABLE RETARDATES. Henry DeVoss.
To investigate the stability of social *contingencies*, especially those controlling social behavior, both within and across job classifications.

RT-16-C-3 (68-1). COMMUNICATION AS A FUNCTION OF CHARACTERISTICS IN SIMPLE INSTRUCTIONAL TASKS: A LITERATURE REVIEW. Henry F. Dizney.
To survey literature relating to the interaction between teaching and *learning* in simple *instructional settings*.

RT-16-C-3 (68-1). THE EFFICACY OF SPECIFIC PRE-PLACEMENT PROGRAMMING FOR COMMUNITY WORK ADAPTATION BY THE TRAINABLE RETARDATE. Wilbur O. Hutton.
To determine the effectiveness of *preplacement programming* in facilitating the work adaptation of *trainable retardates*.

RT-16-C-3 (68-2). A CENSUS--GENEALOGICAL ANALYSIS OF CULTURAL FAMILIAL MENTAL RETARDATION: PHASE II. Arthur Perlin.
To study the structure and interpersonal dynamics within families where *cultural familial mental retardation* occurs.

RT-16-C-3 (68-2). THE ANALYSIS AND CLASSIFICATION OF CRITICAL RESPONSE VARIANTS RELATIVE TO COMMUNITY WORK PLACEMENT FOR THE MENTALLY RETARDED. Craig Peterson.
To clarify the extent to which discrete *functional units* are generalizable across a variety of *task situations*.

RT-16-C-3 (68-1). THE MENTALLY RETARDED: A REVIEW OF THE LITERATURE 1966 THROUGH 1968. Herbert J. Prehm, Ph.D.
To review the educational research published in the area of *mental retardation*.

RT-16-C-3 (68-3). AN INVESTIGATION OF THE POST-HIGH SCHOOL VOCATIONAL ADJUSTMENT OF CULTURAL-FAMILIAL RETARDATES. Bertram Romo.
To assess the adult *vocational adjustment* of former special class *cultural-familial retardates*.

RT-17-C-1 (66-2). THE PROCESS OF SPEECH READING IN DEAF ADOLESCENTS. George Guilfoyle.
To account for those factors which make for variance in *speech reading* skills.

RT-17-C-1 (66-4). EFFECT OF SPECIFIC INSTRUCTION IN THE MULTIPLE MEANING OF WORDS ON COMMUNICATION OF THE DEAF. Sister Nora Letorneau.
To evaluate the effect of a *specific educational program* upon *language development* of *deaf* children.

RT-17-C-1 (66-3). THE RELATION OF LEVEL OF VERBAL LANGUAGE ABILITY TO PERSONALITY IN THE ADULT DEAF. Doris Naiman.

To indicate the kinds of psychological functioning that are associated with low *verbal language ability* and not deafness per se, in the adult.

RT-17-C-2 (67-3). AN INVESTIGATION OF VISUAL ACUITY, VISUAL PERCEPTUAL, AND VISUAL FATIGUE FACTORS AMONG THE DEAF (PHASE: ACUITY). George O. Hellinger.

To discover the extent to which the *vision* of the *deaf* can be used effectively for a variety of communicative purposes.

RT-17-C-2 (67-1). AN INVESTIGATION OF THE EDISON RESPONSIVE ENVIRONMENT PROGRAMMED TEACHING DEVICE TO FACILITATE AND EXPEDITE THE READING ACHIEVEMENT OF THE DEAF. Arthur G. Jillette, Jr.

To determine whether *computer assisted* multi-stimulus and response mechanistic *teaching* will facilitate the *reading* achievement of the *deaf*.

RT-17-C-2 (67-1). PASTORAL REHABILITATION COUNSELING PROGRAM FOR THE TRAINING OF DENOMINATIONAL WORKERS WITH THE DEAF. Arthur G. Jillette, Jr.

To design a curriculum for training of denominational workers with the *deaf*.

RT-17-C-2 (67-1). DEVELOPMENT OF A GENERIC-SPECIALIST TRAINING PROGRAM FOR REHABILITATION COUNSELORS FOR THE DEAF. Patricia Livingston, Ph.D.

To develop a training program in the areas of *rehabilitation counseling* and work with the *deaf*.

RT-17-C-2 (67-2). THE DEVELOPMENT OF A COUNSELING-LABORATORY IN-SERVICE TRAINING PROGRAM FOR REHABILITATION COUNSELORS. Allen E. Sussman.

To design a "grass roots" inservice training program in collaboration with New York Division of Vocational Rehabilitation for *rehabilitation counselors*.

RT-17-C-2 (67-1). AN INVESTIGATION OF THE RELATIONSHIP BETWEEN THE RELIGIOUS CONCEPTS OF THE DEAF AND THE METHODS OF COMMUNICATION USED IN RELIGIOUS INSTRUCTION. Charles Ryan.

To determine how formation of *religious concepts* of the deaf relate to reading level and methods of *religious instruction*.

RT-17-C-3 (68-3). AN INVESTIGATION OF THE RELATIONSHIP BETWEEN EDUCATIONAL CONCEPTS OF THE DEAF AND THE STATUS OF ADULT EDUCATION. Max Friedman.

To conduct a survey of current *adult education* programs for the *deaf* in this country.

RT-17-C-3 (68-1). A SURVEY OF CURRENT STATUS AND UTILIZATION OF SPEECH ANALYZING AIDS FOR THE DEAF. Arthur G. Jillette, Jr.

To followup on the International Conference of *Speech Analyzing Aids* for the Deaf at Gallaudet College, June 1967.

RT-17-C-3 (68-3). AN INVESTIGATION OF APTITUDES AND ATTRIBUTES THAT DISTINGUISH GOOD FROM POOR INTERPRETERS FOR THE DEAF. Edna S. Levine, Ph.D.

To construct an Interpreter Aptitude Inventory that will serve to identify promising candidates for training as *interpreters* for the *deaf*.

RT-17-C-3 (68-2). DEVELOPMENT OF A CURRICULUM FOR THE PREPARATION OF INTERPRETERS FOR THE DEAF. Lottie Rickehof.

To design a complete *curriculum* for the preparation of *interpreters for deaf* adults.

RT-17-C-3 (68-1). A COMPARISON OF THE SOCIAL PERCEPTION OF THE DEAF AND THE HEARING. William Schiff, Ph.D.

To compare the *social perceptions* of the deaf and nondeaf in respect to nonlanguage social situation.

RT-17-C-3 (68-). AN INVESTIGATION OF TACTILE ACUITY AND TACTILE PERCEPTUAL FACTORS AMONG THE DEAF. William Schiff, Ph.D.

To assess the acuity and perceptual sensitivity of the 'compensatory' *sense modalities* used by the *deaf* in *communications* activities.

RT-17-C-3 (68-1). AN INVESTIGATION OF THE RELATIONSHIPS BETWEEN THE OCCUPATIONAL CONCEPTS OF THE DEAF AND THE VOCATIONAL REHABILITATION PROCESS. Allen E. Sussman.

To ascertain concepts of *deaf* clients that govern *vocational choice*, aspiration, and adjustment.

RT-18-C-2 (62-6). PHASIC RELATIONS OF HAND MUSCLES AND THEIR SIGNIFICANCE FOR TENDON TRANSPLANTS. Jacquelin Perry, M.D.

To evaluate the coordinated action of the forearm *muscles* controlling the fingers and wrist in regard to *tendon transplants*.

RT-18-C-2 (64-4). A STUDY OF THE QUADRICEPS EXTENSOR MECHANISM AT THE KNEE: A MECHANICAL STUDY. Jacquelin Perry, M.D.

To test the validy of the clinical impression that the last 15 degrees of *knee extension* is accomplished entirely by the vastus medialis muscle.

RT-18-C-2 (65-3). ULTRASOUND IN THE TREATMENT OF PAINFUL SHOULDERS IN HEMIPLEGIA. Margaret Inaba, R.P.T.

To determine if *ultrasound* will reduce pain of the common painful shoulder in patients with *hemiplegia*.

RT-18-C-2 (65-3). THE QUADRICEPS EXTENSOR MECHANISM OF THE KNEE: AN ELECTROMYOGRAPHIC STUDY. Jacquelin Perry, M.D.

To determine the extent and degree of participation of the various heads of the *quadriceps muscle* during the full range of *knee extension*.

RT-18-C-2 (66-). ORTHOTIC DEVICES FOR CEREBRAL PALSY. Alice L. Garrett, M.D.

To develop *orthotic devices* for the severely involved *cerebral palsied children* which will provide head and trunk stability and improve control of the upper and lower extremities.

RT-18-C-2 (66-3). EFFECTIVENESS OF PROGRESSIVE RESISTANCE EXERCISE FOR PATIENTS WITH HEMIPLEGIA. Margaret Inaba, R.P.T.

To determine effectiveness of progressive resistance *exercises* as compared with active exercise and functional training as means of attaining functional independence among patients with *hemiplegia*.

RT-18-C-2 (66-2). INJECTION OF MOTOR NERVES TO REDUCE SPASTICITY IN PATIENTS WITH STROKE. Vert Mooney, M.D.

To evaluate the effects of intraneural dilute phenol injection on the *spasticity* of the upper extremity muscles in patients with *stroke*.

RT-18-C-2 (66-2). EFFECTIVENESS OF OCCUPATIONAL THERAPY IN ADULT PATIENTS WITH HEMIPLEGIA. Dorothy Wilson, O.T.R.

To study the effectiveness of a variety of therapeutic systems concerned with the return of function in the *hemiplegic* upper extremity.

RT-18-C-2 (67-2). ENERGY COST OF INDEPENDENT BED-TO-WHEELCHAIR TRANSFER BY THE QUADRIPLEGIC PATIENT. Hazel V. Adkins, M.A.

To determine if the task of *transfer* is too demanding physiologically for the *quadriplegic patient*.

RT-18-C-2 (67-). CLINICAL REGISTRY FOR DATA PERTAINING TO UPPER EXTREMITY SPASTICITY IN THE STROKE PATIENT. Richard Braun, M.D.

To amass clinical data on *stroke patients* with a spastic upper extremity.

RT-18-C-2 (67-4). EVALUATION OF RECONSTRUCTIVE SURGERY FOR FINGER AND WRIST CONTRACTURES IN PATIENTS WITH STROKE. Richard Braun, M.D.

To evaluate a new technique of flexor tendon lengthening for *stroke* patients with finger and wrist *contractures*.

RT-18-C-2 (67-5). MECHANISMS OF SHOULDER PAIN AND CONTRACTURE IN THE PATIENT WITH HEMIPLEGIA. Richard Braun, M.D.

To study the mechanism of *shoulder contracture* and pain in the spastic *hemiplegia* patient and to evaluate the effectiveness of reconstructive surgery for relief of the condition.

RT-18-C-2 (67-2). ACTION OF INDIVIDUAL MUSCLES OF THE HAND AND FOREARM. J. R. Close, M.D.

To develop a high fidelity convenient *recording system* for multichannel functional anatomical and *muscle* study.

RT-18-C-2 (67-1). REHABILITATION EFFECTS OF PHYSICAL TRAINING IN ARTERIOSCLEROTIC HEART DISEASE. Donald W. Crawford, M.D.

To determine by a refined set of measurements of cardiac physiology, the effect of a graded program of physical exercise upon cardiac output and other parameters in patients with *arteriosclerotic heart disease*.

RT-18-C-2 (67-). EXPERIMENTAL ORTHOTIC AND COMMUNICATION PROGRAM FOR CHILDREN WITH CEREBRAL PALSY. Alice L. Garrett, M.D.

To develop and fit orthotics and to train children with *cerebral palsy* in their use.

RT-18-C-2 (67-3). VALIDATION OF REHABILITATION PREDICTORS IN APHASIA FOLLOWING CVA. Frederick R. Greenberg, Ph.D.

To determine whether those variables delineated as predictors from a 4-year comprehensive study of *aphasia patients* at the Kenny Rehabilitation Institute maintain their predictive strength when applied to the population of patients seen at Los Angeles County-USC Medical Center.

RT-18-C-2 (67-1). THE ISOLATION OF CRITERIA FOR PREDICTING PROBABLE EXTENT OF LANGUAGE RECOVERY IN STROKE PATIENTS: A PILOT STUDY. Christian Hagen, Ph.D.

To develop criteria which may be used as predictors of eventual extent of recovery among patients with aphasia following *stroke*.

RT-18-C-2 (67-3). APPLICATION OF CAST BRACES TO PATIENTS WITH INCOMPLETELY UNITED FRACTURES OF THE FEMUR AND TIBIAL PLATEAU. J. Paul Harvey, M.D.

To investigate the feasibility and usefulness of fitting cast-*braces* to the patients with incompletely united *fractures* of the femur and tibial plateau.

RT-18-C-2 (67-3). FITTING OF TEMPORARY PROSTHETIC LIMBS IMMEDIATELY AFTER AMPUTATION. J. Paul Harvey, M.D.

To examine the feasibility and results of fitting immediate *prosthetic limbs* to individuals undergoing lower extremity amputation.

RT-18-C-2 (67-2). COAGULATION RESEARCH LABORATORY FOR HEMOPHILIA REHABILITATION: I. GENETIC ASPECTS OF HEMOPHILIA. Carol K. Kasper, M.D.

To obtain knowledge about the inherited tendencies of *hemophilia*.

RT-18-C-2 (67-1). COAGULATION RESEARCH LABORATORY FOR HEMOPHILIA REHABILITATION: II. PRO-

PHYLAXIS OF BLEEDING IN HEMOPHILIACS.
Carol K. Kasper, M.D.

To determine whether prevention of spontaneous hemorrhage in *hemophiliacs* by means of regular periodic administration of clotting factor concentrates is possible and practical and will permit rehabilitation.

RT-18-C-2 (67-4). COAGULATION RESEARCH LABORATORY FOR HEMOPHILIAC REHABILITATION: III. ELECTIVE REHABILITATIVE SURGERY IN HEMOPHILIACS. Carol K. Kasper, M.D.

To study the feasibility of elective rehabilitative surgery in *hemophiliacs* by demonstrating the efficacy of new plasma concentrates in assuring hemostasis for surgical procedures.

RT-18-C-2 (67-5). COAGULATION RESEARCH LABORATORY FOR HEMOPHILIAC REHABILITATION: IV. INHIBITORS IN HEMOPHILIACS. Carol K. Kasper, M.D.

To determine the incidence and course of low-titer factor VIII inhibitors in *hemophiliacs* who have been treated with plasma transfusions and separately, those who have been treated with factor VIII concentrates.

RT-18-C-2 (67-3). DISC VALVES FOR MITRAL VALVE SUBSTITUTION. Jerome H. Kay, M.D.

To make improvements in *valvular surgery* by use of a teflon tricot covered *valve*.

RT-18-C-2 (67-2). FURTHER DEVELOPMENT AND USE OF DISC VALVES FOR TRICUSPID SUBSTITUTION. Jerome H. Kay, M.D.

To prove that 90% teflon cloth covered *disc valve* with muscle guard will allow for safe tricuspid valve replacement without danger of pulmonary emboli, valve thrombosis, or valve dysfunction.

RT-18-C-2 (67-1). ADJUSTMENT FACTORS AMONG SPINAL CORD PATIENTS: A FOLLOW-UP STUDY. Bryan J. Kemp, M.A.

To determine what pre-injury and what post-injury psychological and social factors affect the vocational adjustment of patients with *spinal cord injuries*.

RT-18-C-2 (67-2). EVALUATION OF MANUAL MUSCLE TESTING PROCEDURES. JoAnne Menteer, R.P.T.

To evaluate present manual *muscle testing techniques* to determine the need for a new text devoted to muscle testing methodology.

RT-18-C-2 (67-). AVASCULAR NECROSIS OF THE HEAD OF THE FEMUR AFTER HIP FRACTURES IN THE ELDERLY PATIENT. Marvin H. Meyers, M.D.

To study the lack of progress in the treatment of *hip fractures* in the elderly patient.

RT-18-C-2 (67-). A CHRONIC CORONARY REHABILITATION UNIT: A RESEARCH CONCEPT.
Ronald Selvester, M.D.

To determine the recovery potential and means of treatment of individuals with disabling angina and other sequelae of chronic *coronary* heart disease.

RT-18-C-2 (67-1). APPLICATION OF ERRORLESS DISCRIMINATION TO STROKE PATIENTS (PRELIMINARY STUDY). Henry Slucki, Ph.D.

To investigate errorless discrimination as a training procedure in the care of *stroke patients*.

RT-18-C-2 (68-2). A SYSTEMATIC STUDY OF REHABILITATION MEASURES AND POTENTIALS IN PERSONS WITH CHRONIC OBSTRUCTIVE LUNG DISEASE. Oscar J. Balchum, M.D.

To organize a testing laboratory and therapeutic program for individuals with *chronic obstructive pulmonary disease*.

RT-18-C-2 (68-1). STUDIES OF SINGLE MOTOR UNIT ACTION POTENTIALS AND TENSION, AND D C POTENTIAL VARIATION IN TISSUE CULTURE WITH MUSCULOSKELETAL TUMOR GROWTH. J. R. Close, M.D.

To continue development of the field of neurophsiological and *musculoskeletal investigation*.

RT-18-C-3 (68-1). AN EXAMINATION OF THE RECORDS OF PATIENTS WITH CEREBRAL PALSY AT ORTHOPAEDIC HOSPITAL WITH EXPECTATION OF DEVELOPING A PROGRAM OF IMPROVED CARE. Shelby Y. Dietrich.

To ascertain the physical status of *cerebral palsy* patients with the goal of developing a program of better care.

RT-18-C-3 (68-4). EVALUATION OF BREATH TRAINING AND OF OXYGEN--TREADMILL CONDITIONING EXERCISE IN THE REHABILITATION OF EMPHYSEMATOUS PATIENTS. D. Armin Fischer, M.D.

To compare the rehabilitation effectiveness of various modalities of treatment for the *emphysematous* patient.

RT-18-C-3 (68-2). A SYSTEMATIC STUDY OF REHABILITATION MEASURES AND POTENTIALS IN PERSONS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE. D. Armin Fischer, M.D.

To organize a testing laboratory and therapeutic program for persons with *chronic obstructive pulmonary disease*.

RT-18-C-2 (68-1). JUDGMENTAL RATINGS OF ALARYNGEAL SPEECH OF LARYNGECTOMIZED PATIENTS. Frederick R. Greenberg, Ph.D.

To determine whether there is preference among judges of three *types of laryngeal speech;* esophageal speech, electro-larynx speech and speech characteristics of patients with the Asai surgical procedure.

RT-18-C-2 (68-1). A STUDY OF TECHNIQUES FOR THE DIFFERENTIAL DIAGNOSIS OF APHASIA FROM ORAL VERBAL APRAXIA. Frederick R. Greenberg, Ph.D.

To determine whether the ability to learn simple verbal paired-associates differentiates patients with *aphasia* from patients with oral *verbal apraxia*.

RT-18-C-3 (68-1). VOCABULARY RECOGNITION ABILITY OF GERIATRIC PATIENTS FROM A LOWER SOCIO-ECONOMIC STATUS. Frederick R. Greenberg, Ph.D.

To develop normative data on vocabulary recognition ability on *geriatric* patients from the lower socio-economic groups.

RT-18-C-3 (68-2). VIABILITY OF THE FEMORAL HEAD AND FRACTURE OF THE HIP. Marvin H. Meyers, M.D.

To test the viability of bone in humans with hip *fractures*.

RT-18-C-2 (68-1). ACOUSTIC CHARACTERISTICS OF THE ALARYNGEAL SPEECH OF PATIENTS LARYNGECTOMIZED THROUGH THE ASAI TECHNIQUE. Frederick R. Greenberg, Ph.D.

To determine the fundamental frequency, standard deviation of the fundamental frequency, range of intensity, and range of frequency of the phonation produced by patients who have *alaryngeal speech*.

RT-18-C-3 (68-). RECOGNITION AND CORRELATION OF EKG SIGNALS IN PATIENTS WITH MYOCARDIAL INFARCTION BY MEANS OF A COMPUTER. David H. Blankenhorn.

To develop an automatic means of recognizing *myocardial* performance.

RT-19-C-1 (66-4). HEMIPLEGIC-ORTHOTIC STUDY. J. E. Birdsell, M.D.

To evaluate, modify, and develop *orthotic devices* for assisting and potentiating activities in the *hemiplegic*.

RT-19-C-2 (66-). THERAPY TECHNIQUES FOR ADULT APHASICS: A STUDY OF THE EFFECTIVENESS OF A CORRELATED DIAGNOSTIC INSTRUMENT, PATTERNED COMMUNICATION THERAPY, AND ADJUNCTIVE PERSONNEL FOR THERAPY REINFORCEMENT IN DYSPHASIC PATIENTS. Gwenyth R. Vaughn, Ph.D.

To investigate the effectiveness of several therapy techniques used with adult *aphasics*.

RT-19-C-1 (66-). MOTOR CONDUCTION VELOCITIES IN SPINAL CORD INJURY PATIENTS. R. H. Cress, M.D.

To determine the *motor nerve conduction velocity* in patients with *spinal cord injury*, to attempt to explain variations from normal rates.

RT-19-C-2 (68-). LANGUAGE IMPAIRMENT DUE TO HIGH-FREQUENCY SENORI-NEURAL HEARING LOSS. Robert E. Roach, Ph.D.

To explore the effect of *high frequency hearing loss* upon *language development* in children when the loss has ocurred before or during the language learning years.

RT-19-C-1 (66-). URINARY DIVERSION FOR SPINAL CORD INJURY. Sheridan W. Shirley, M.D.

To evaluate, improve, and preserve *renal function* in patients with *spinal cord injuries* affecting the genito-urinary system.

RT-19-C-1 (67-). NATURE OF MOTOR DELAY IN HEMIPLEGICS. Terry Widener.

To determine the nature of *motor delay* in *hemiplegics*.

RT-19-C-1 (66-1). FEASIBILITY STUDY OF ESTABLISHMENT OF MAXILLOFACIAL TREATMENT CENTER. Dwight J. Castleberry, D.M.D.

To establish a *maxillofacial treatment* center.

RT-19-C-1 (66-1). SERUM pH IN SPINAL CORD INJURY PATIENTS HAVING EXTRAOSSEOUS CALCIFICATION. W. C. Fleming, M.D.

To determine any correlation of serum pH with incidence of *extraosseous calcification* in *spinal cord injured* patients.

RT-19-C-1 (66-4). MULTIDISCIPLINARY STUDY--ARTHRITIS. Howard L. Holley, M.D.

To observe, document, and evaluate the natural history of *juvenile rheumatoid arthritis*.

RT-19-C-1 (66-4). BIOMEDICAL ENGINEERING PROJECT IN PHYSICAL MEDICINE AND REHABILITATION. Paul H. Newell, Jr., Ph.D.

To provide for the effective and continuous application of the combined disciplines of *engineering and medicine* to the problems of the disabled as a systematic team effort.

RT-19-C-1 (66-4). RESPONSE OF DIABETIC PATIENTS TO BEKESY AUDIOLOGY. Robert E. Roach, Ph.D.

To compare the width of *Bekesy tracings* obtained from *diabetic* patients with normal subjects.

RT-19-C-1 (66-4). EVALUATION AND TREATMENT OF PARAPLEGICS AND OTHER PATIENTS WITH NEUROGENIC BLADDERS. A. E. Turman, M.D.

To demonstrate the optimum means of management of patients with *neurogenic bladders*.

RT-19-C-2 (67-). A PILOT INVESTIGATION OF THE MODIFICATION OF ORAL EXPRESSION RELATED TO THE ACCOMODATION TO CERTAIN ORAL ACRYLIC MODIFIERS PLACED WITHIN TYPICAL AND ATYPICAL ORAL ARCHITECTURES. Gwenyth R. Vaughn, Ph.D.

To establish a *speech sound index* related to structural and functional characteristics of typical and atypical subjects.

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